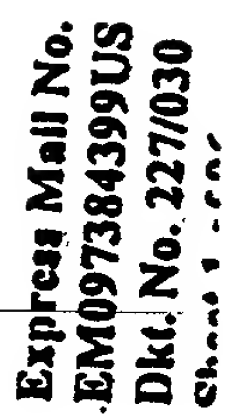
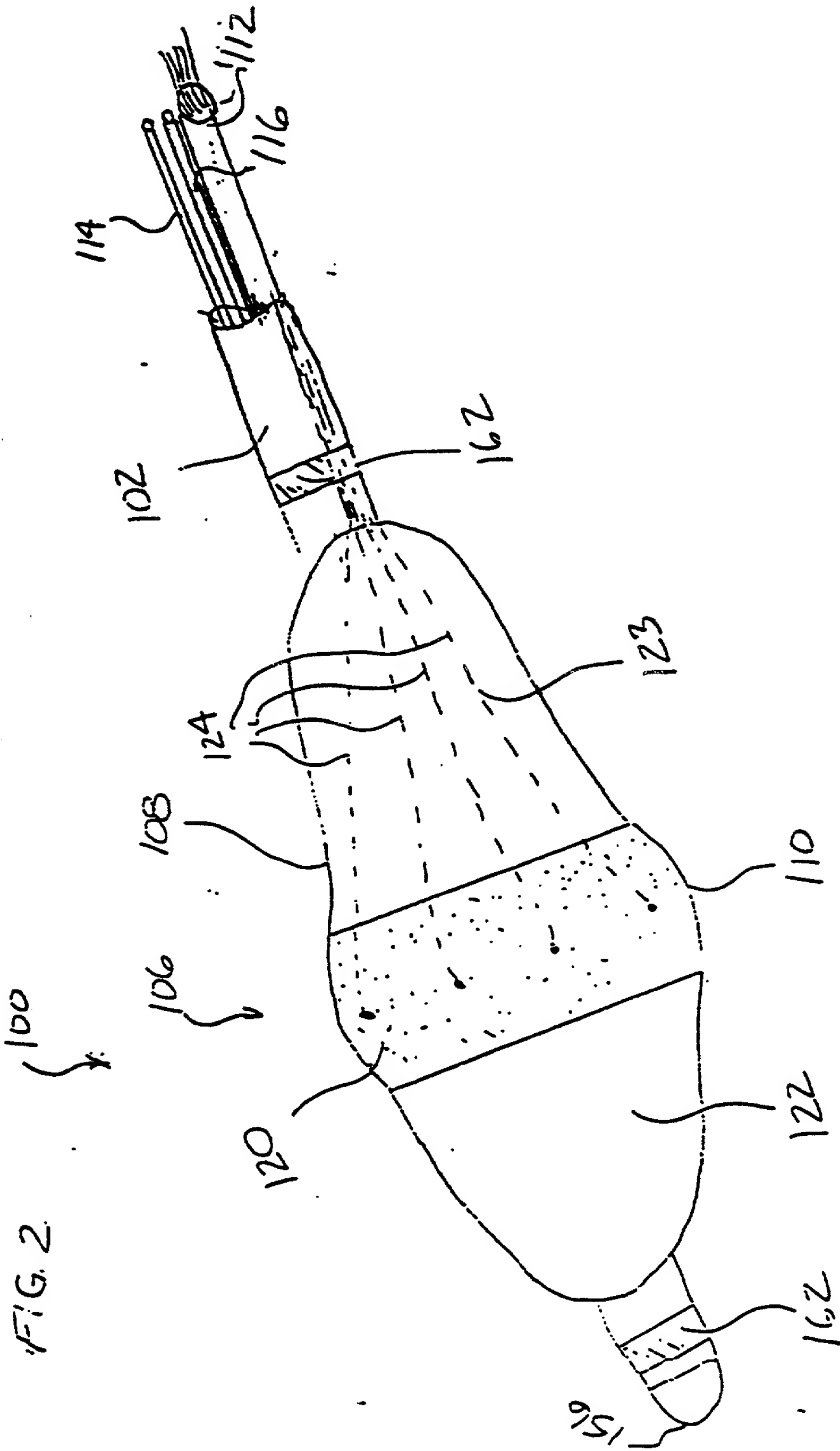


Fig. 1



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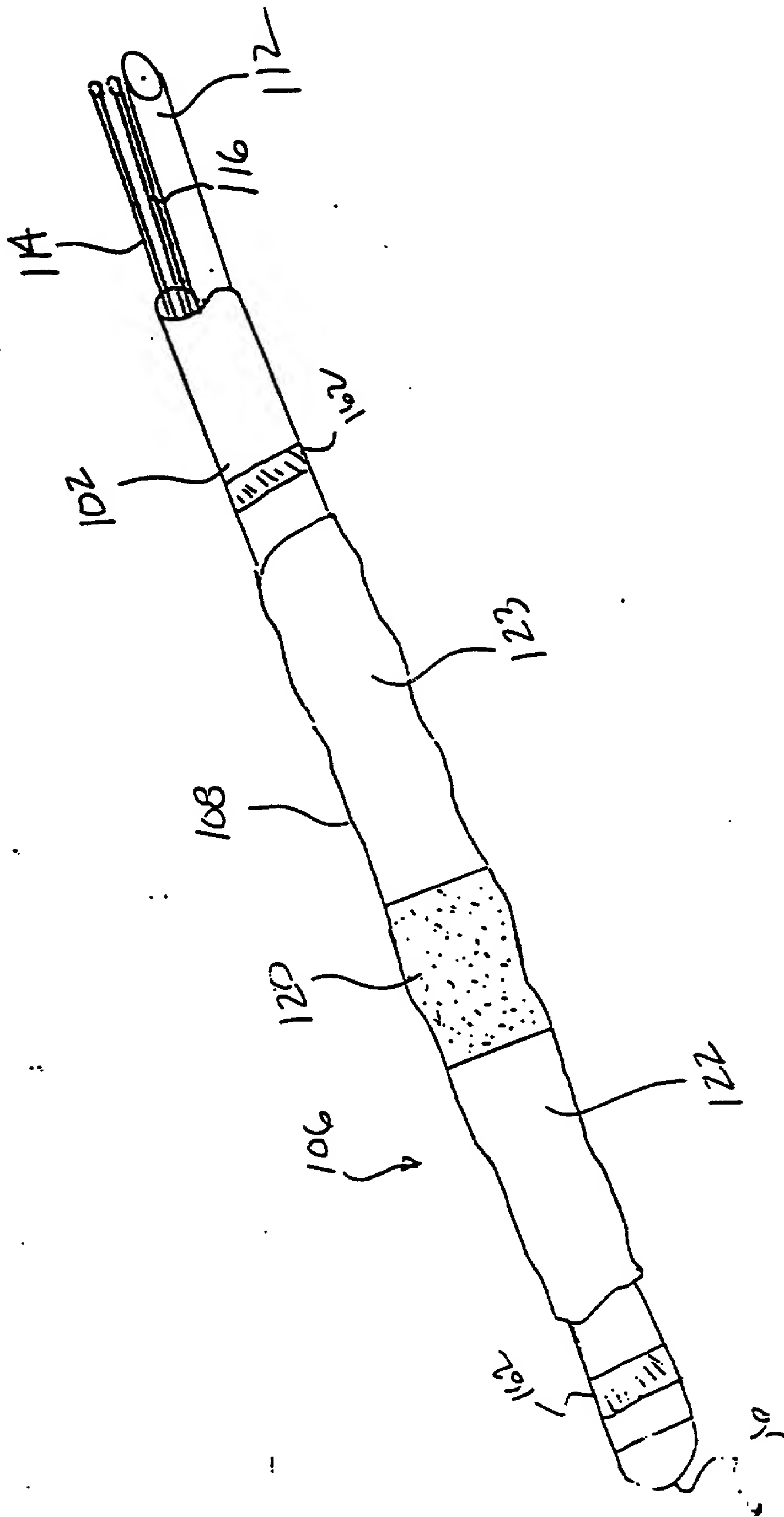
FIG. 2



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Sheet 2 of 2

| Category | Sub-category | Value |
|-------------------------|---------------------------|---|
| 1. General Information | Name | John Doe |
| | Age | 35 |
| | Gender | Male |
| | Marital Status | Married |
| | Occupation | Software Engineer |
| | Education | Master's Degree |
| | Address | 123 Main St, New York, NY 10001 |
| | Phone | (212) 555-1234 |
| | Email | john.doe@example.com |
| | Emergency Contact | John Doe |
| 2. Medical History | Current Medications | Aspirin, Metoprolol |
| | Chronic Conditions | Hypertension, Diabetes |
| | Recent Surgeries | Appendectomy (2010) |
| | Allergies | Penicillin, Shellfish |
| | Family History | Heart Disease (Father), Cancer (Mother) |
| | Immunizations | MMR, Tetanus, Flu (Annual) |
| | Current Symptoms | Headaches, Fatigue |
| | Previous Hospitalizations | None |
| | Referral Source | Primary Care Physician |
| | Referral Date | 2023-10-27 |
| 3. Social History | Smoking Status | Former Smoker |
| | Alcohol Consumption | Occasional |
| | Exercise Habits | Regular (3 times/week) |
| | Dietary Restrictions | Vegetarian |
| | Stress Levels | High |
| | Substance Use | None |
| | Travel History | Europe, Asia (Last 5 years) |
| | Living Situation | Apartment |
| | Insurance | Private Health Insurance |
| | Insurance ID | 123456789 |
| 4. Physical Examination | Vitals | BP: 120/80, HR: 70, RR: 18, Temp: 98.6 |
| | General | Well-appearing, alert |
| | HEENT | Normal |
| | Cardio | Normal |
| | Lungs | Clear |
| | Abdomen | Soft, no tenderness |
| | Extremities | Normal |
| | Neuro | Normal |
| | Skin | Clear |
| | Genit | Normal |
| 5. Laboratory & Imaging | Bloodwork | Normal |
| | Urine | Normal |
| | X-ray | Normal |
| | CT Scan | Normal |
| | MRI | Normal |
| | ECG | Normal |
| | Ultrasound | Normal |
| | Biopsy | Normal |
| | Pathology | Normal |
| | Immunology | Normal |
| 6. Treatment Plan | Medications | Aspirin, Metoprolol |
| | Therapies | Physical Therapy |
| | Referrals | Cardiologist, Endocrinologist |
| | Follow-up | 4 weeks |
| | Education | Low-carb diet, Regular exercise |
| | Prognosis | Good |
| | Consent | Obtained |
| | Signature | Dr. Jane Smith |
| | Date | 2023-10-27 |
| | Printed Name | Dr. Jane Smith |

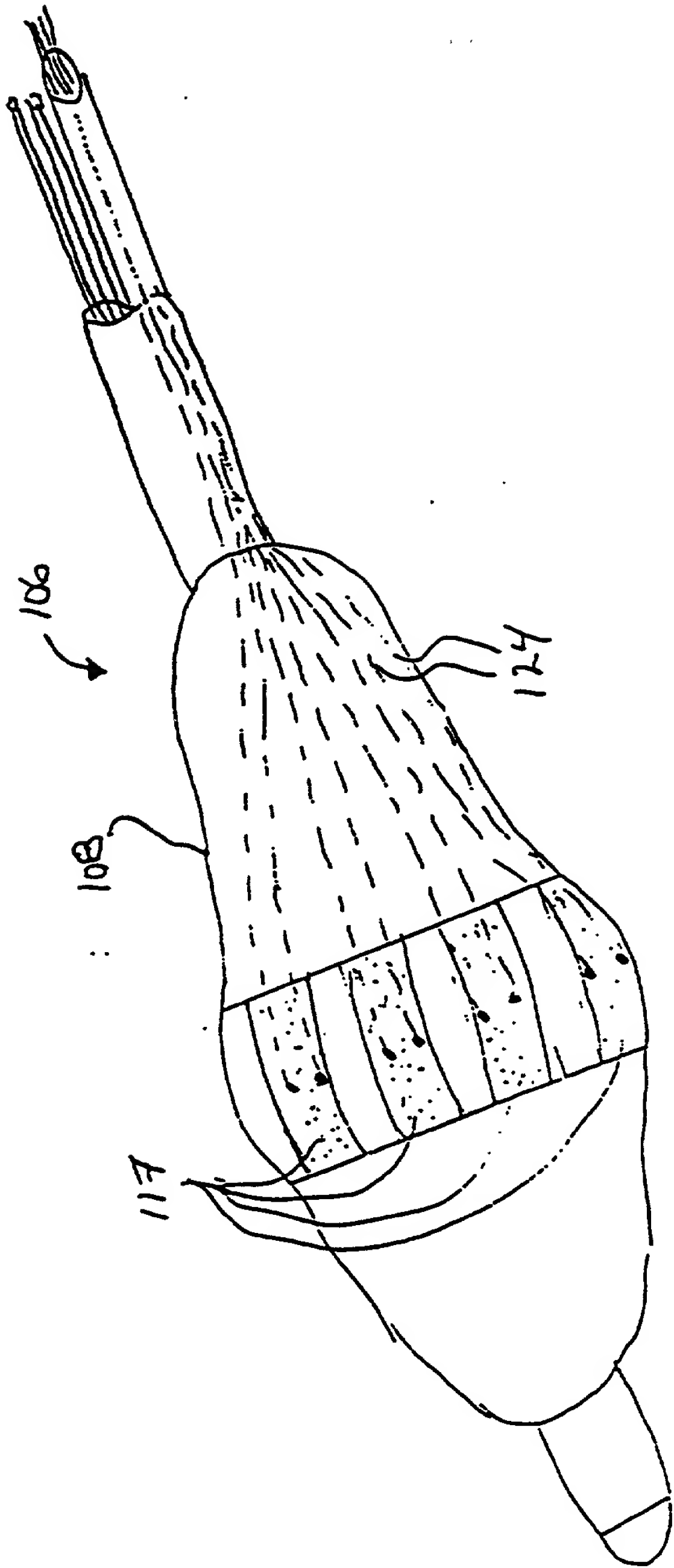
F1G. 3



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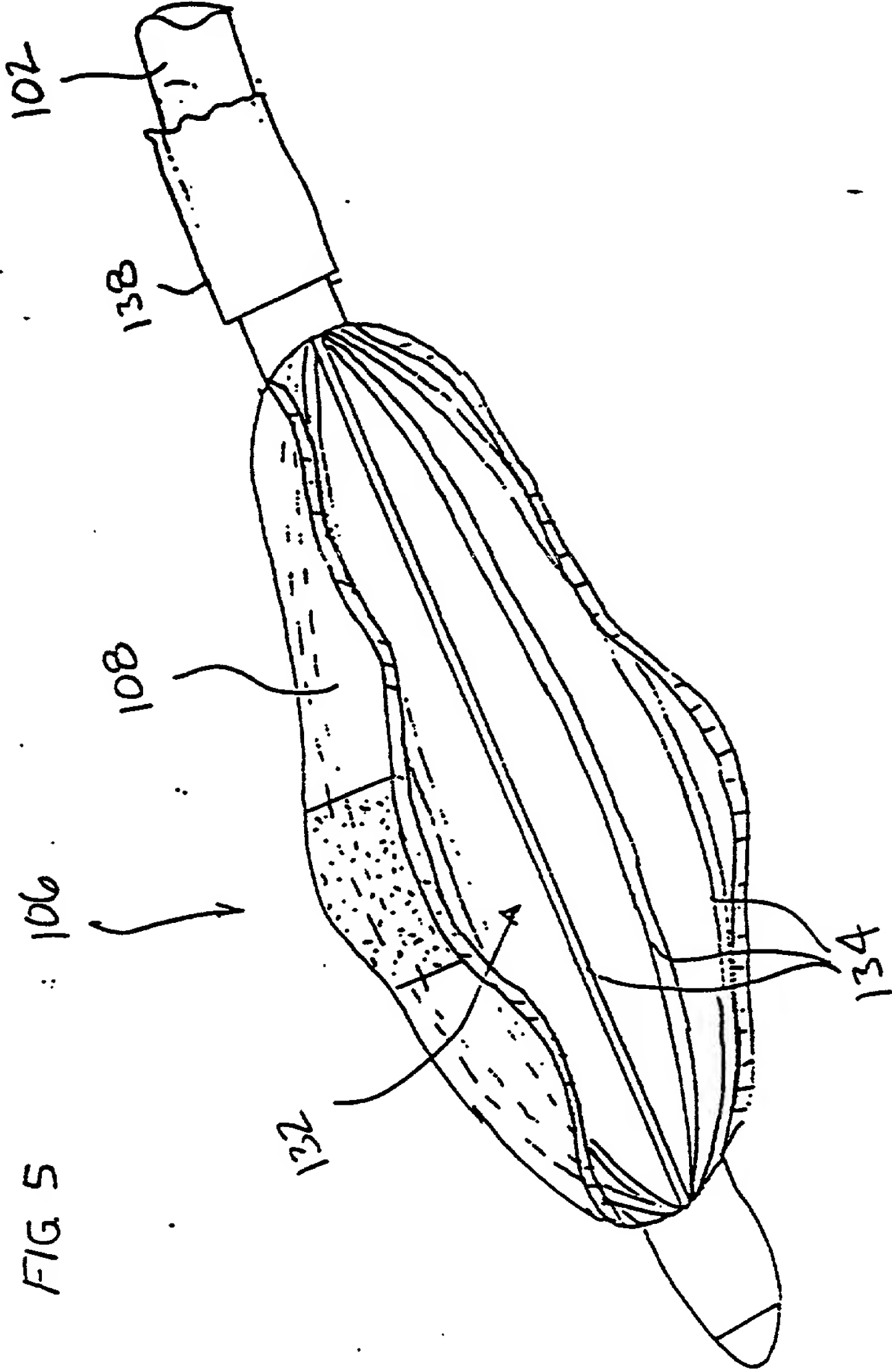
FIG. 4



Express Mail No.
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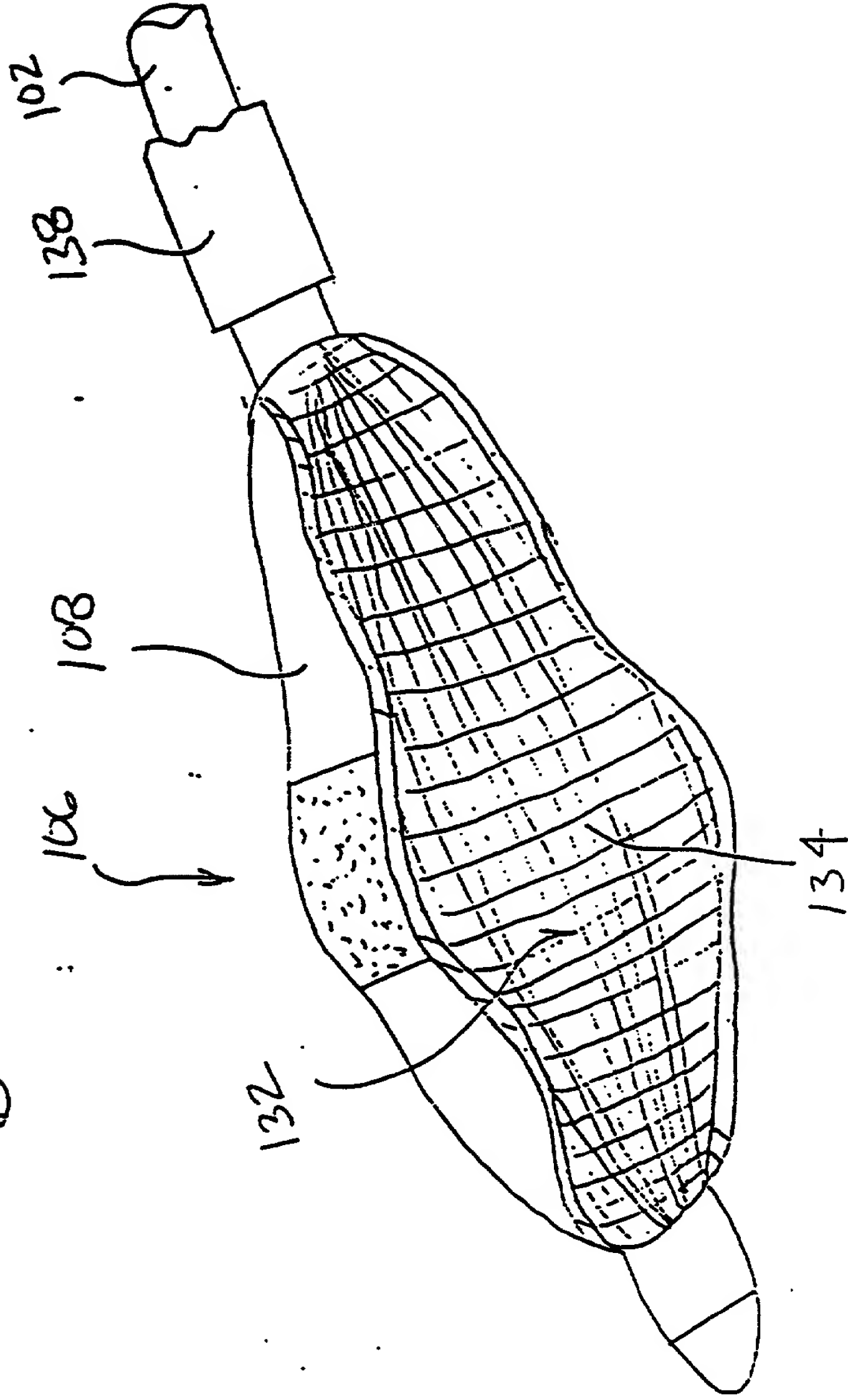
FIG 5

106



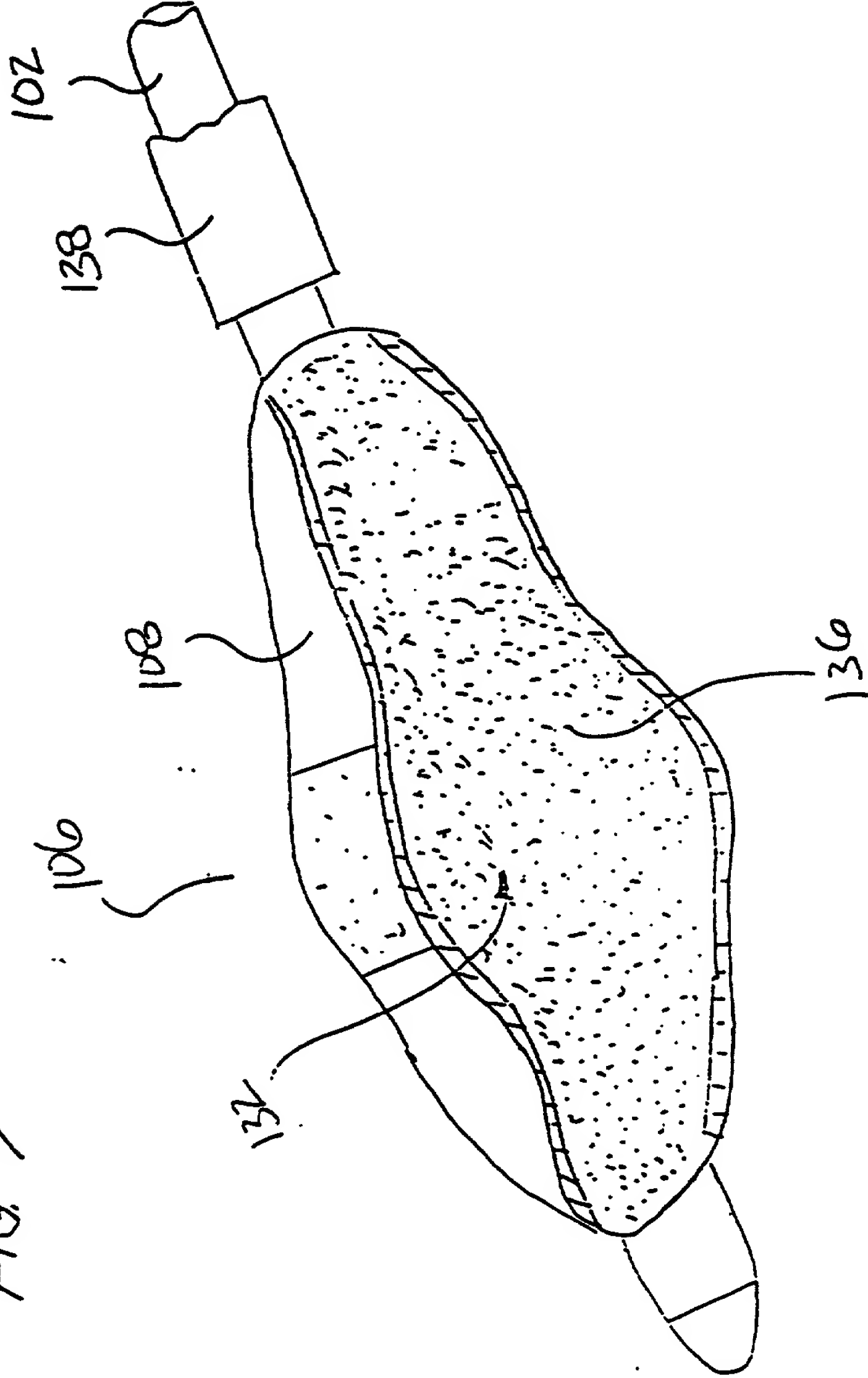
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FIG. 6



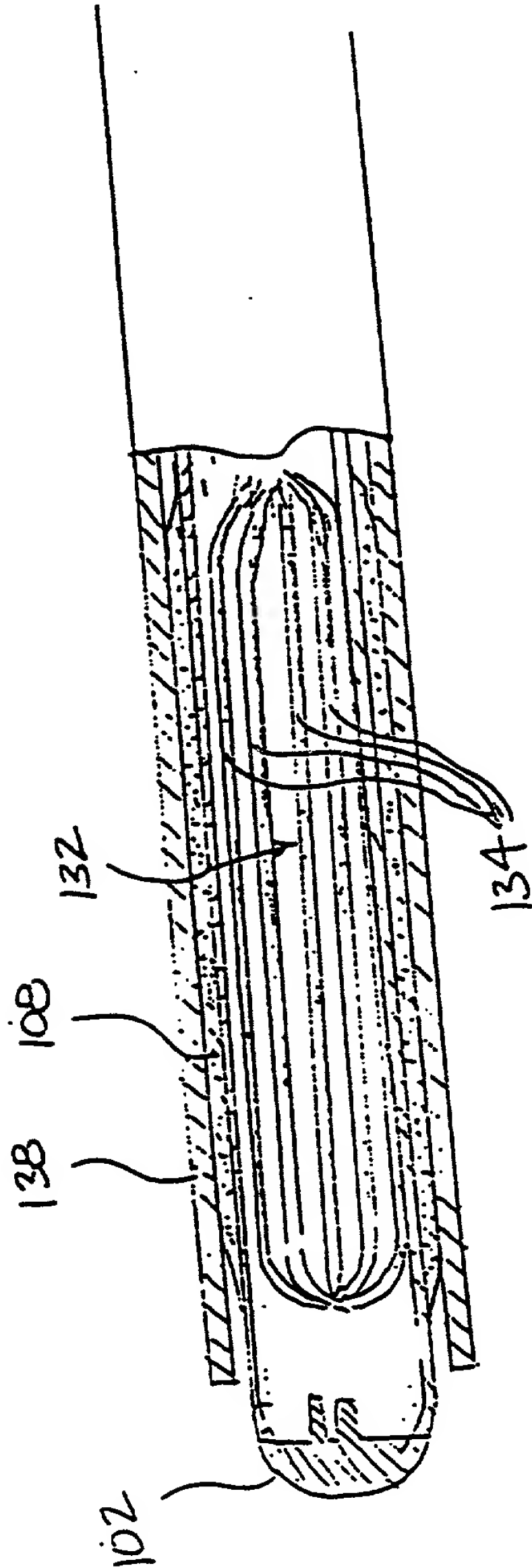
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FIG. 7



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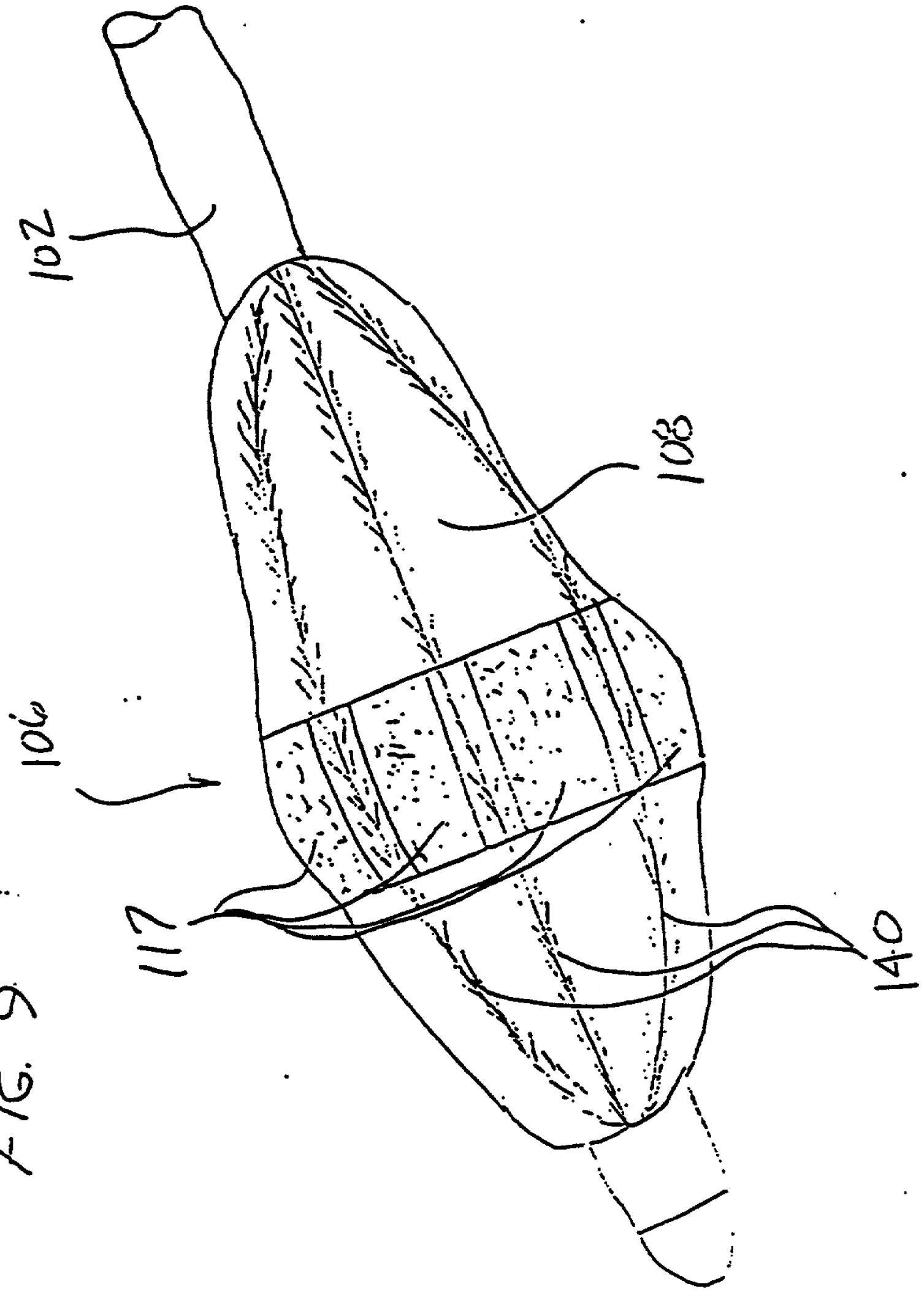
FIG. 8



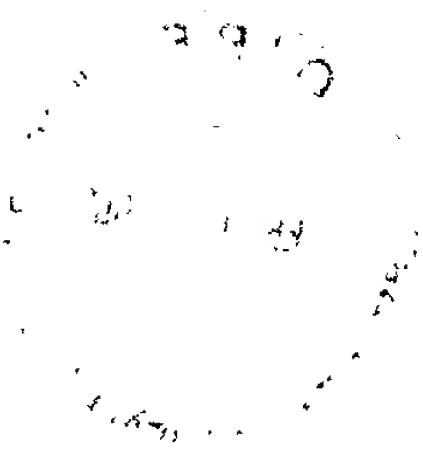
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FIG. 9

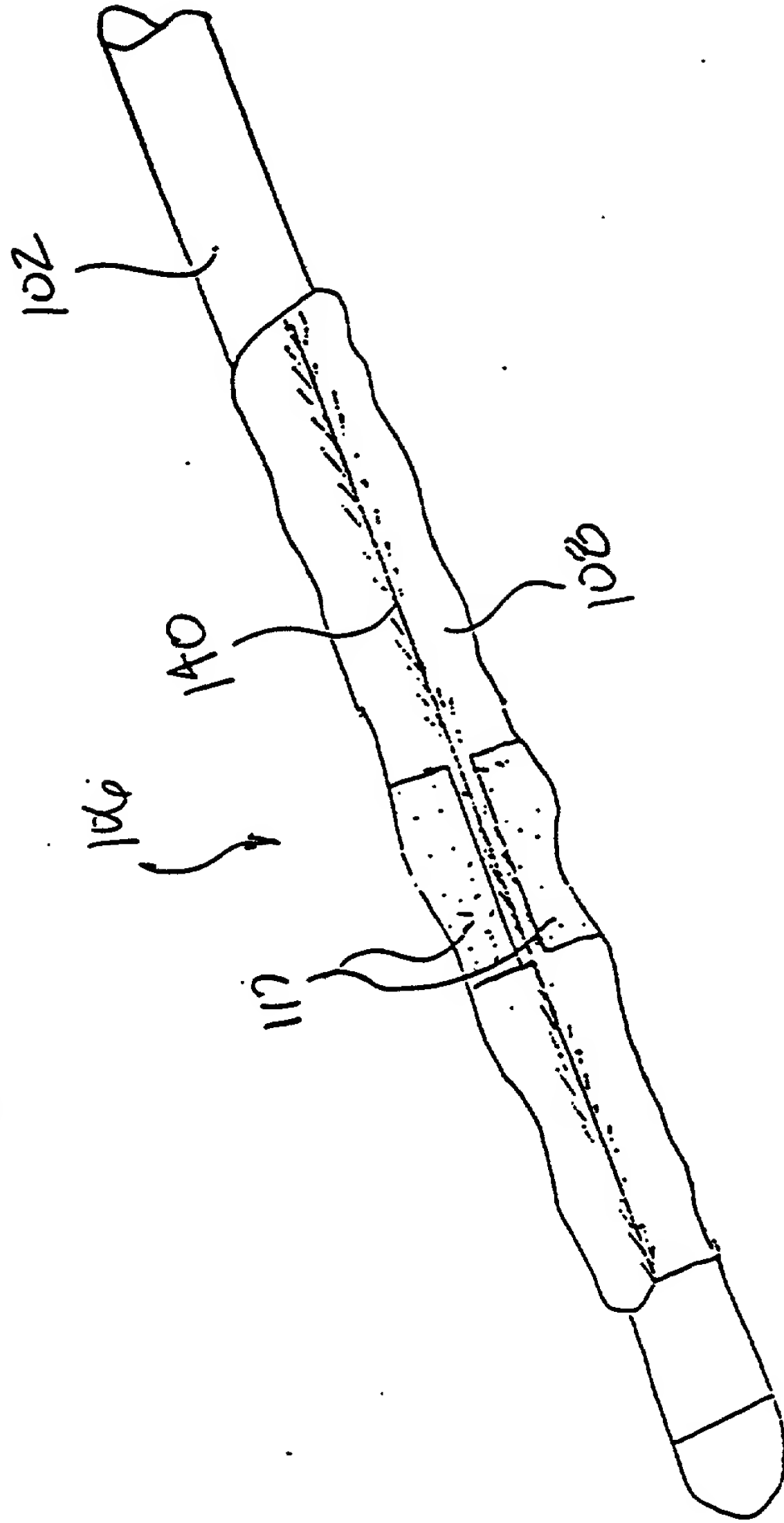


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U.S. Patent & Trademark Office



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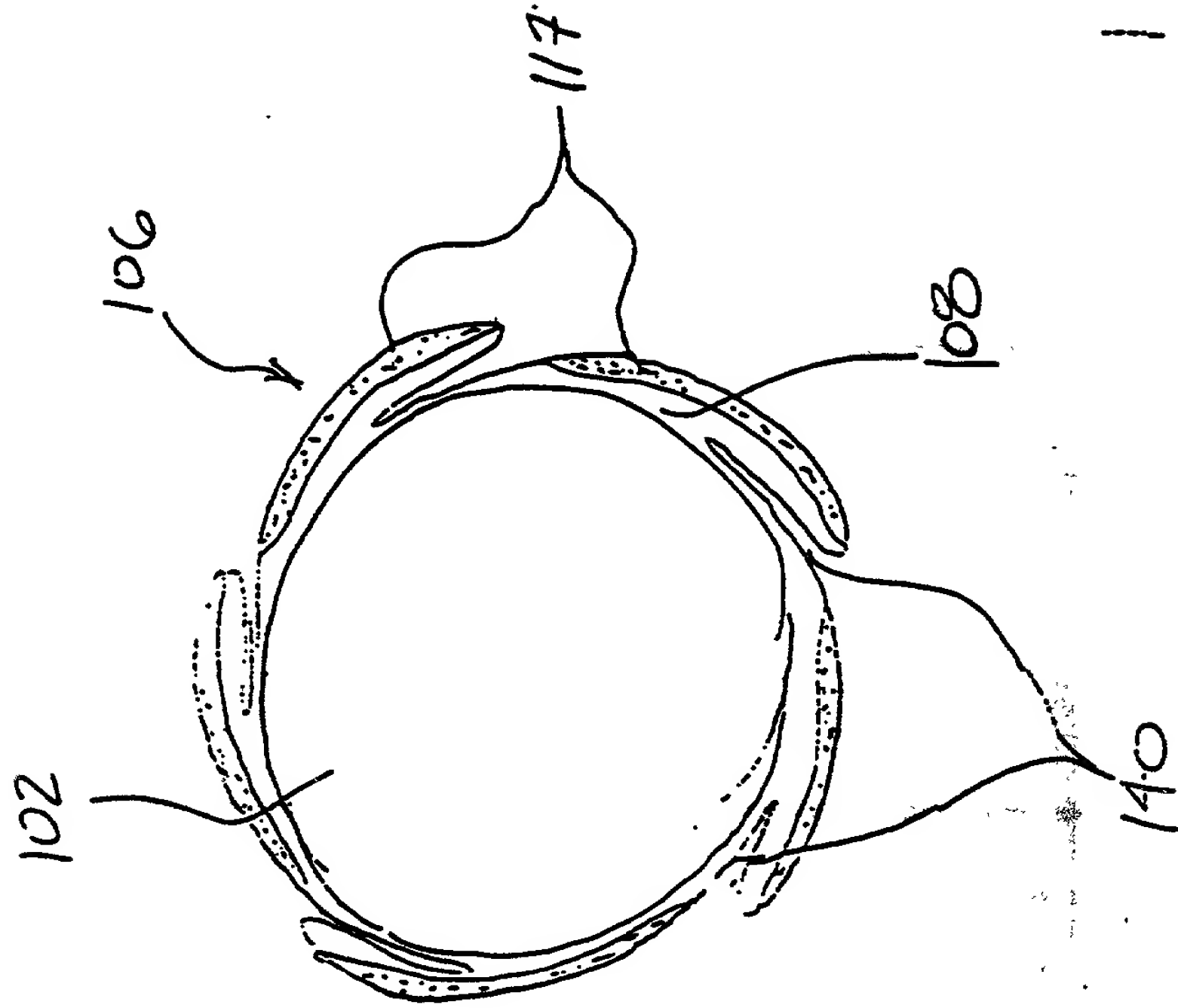
FIG. 10



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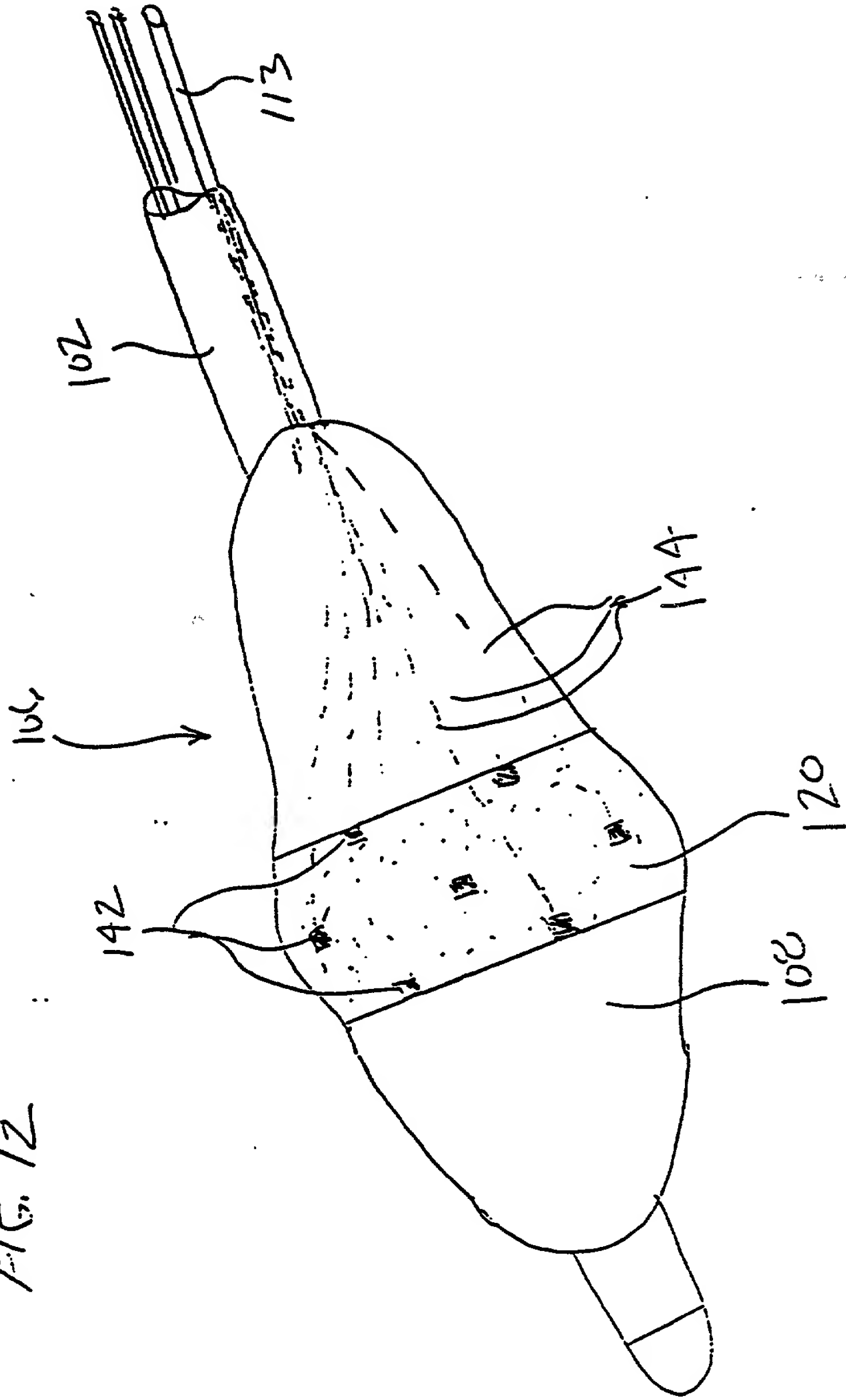
FIG. 11



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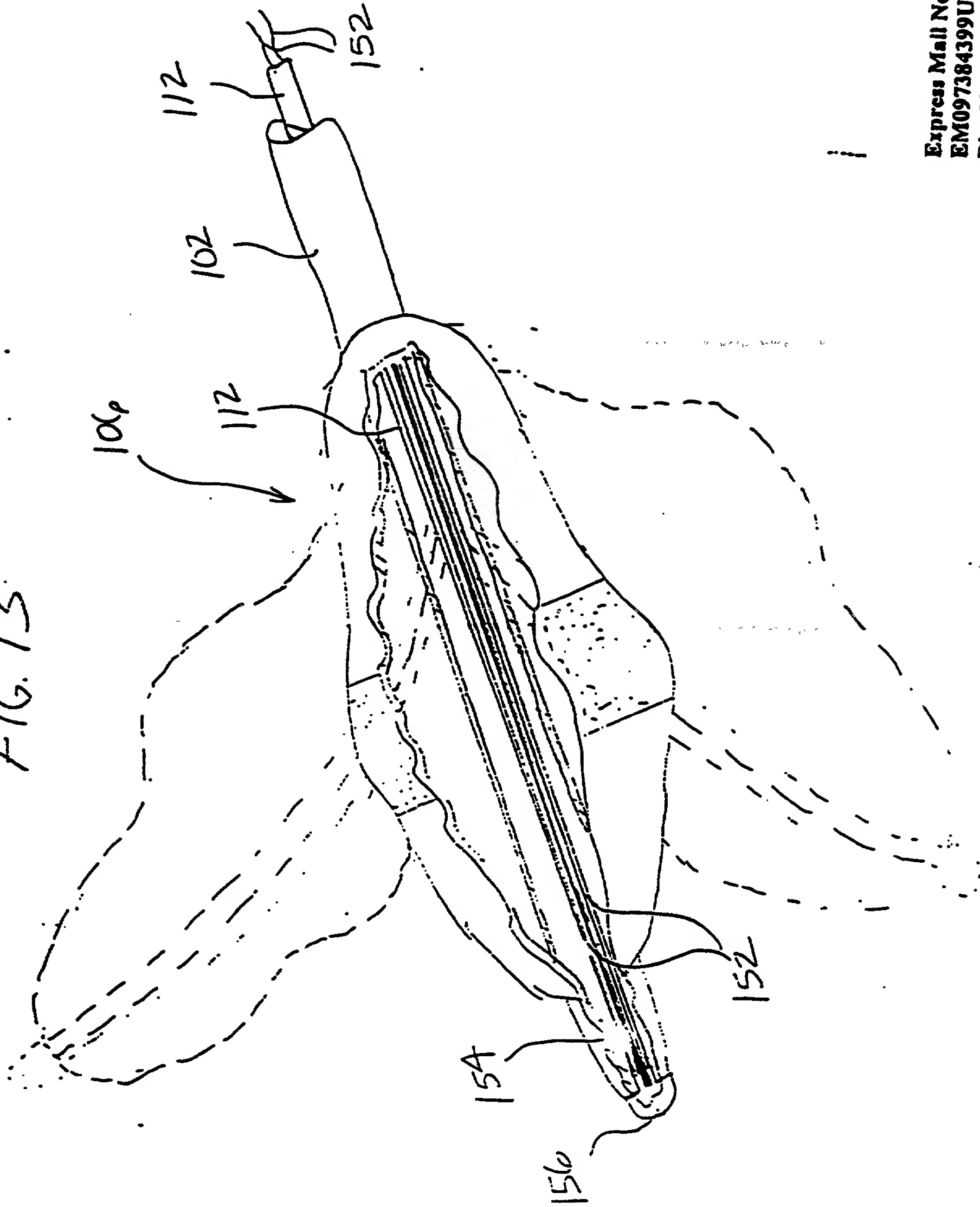
FIG. 12



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Channel 12

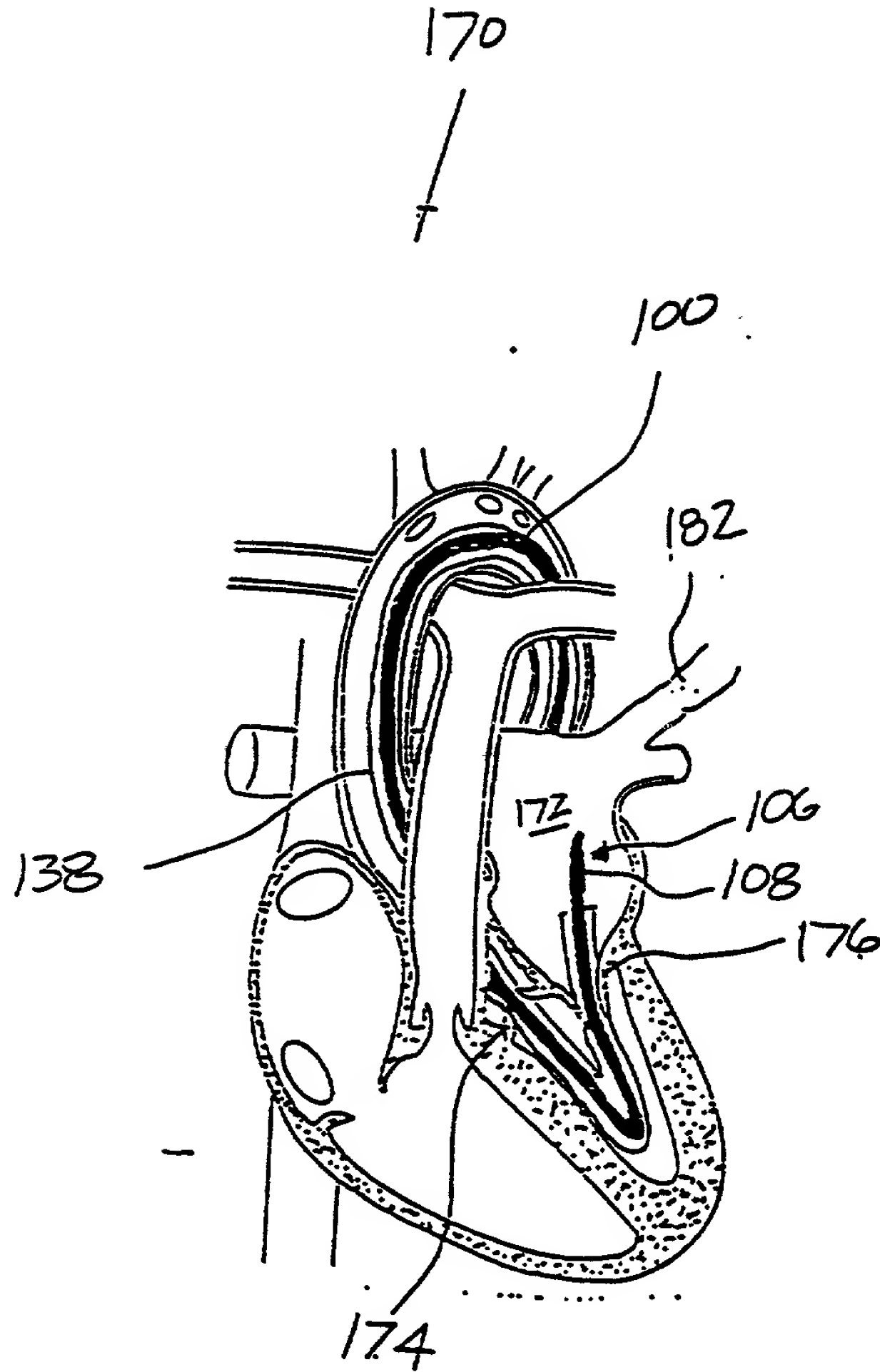
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FIG. 13



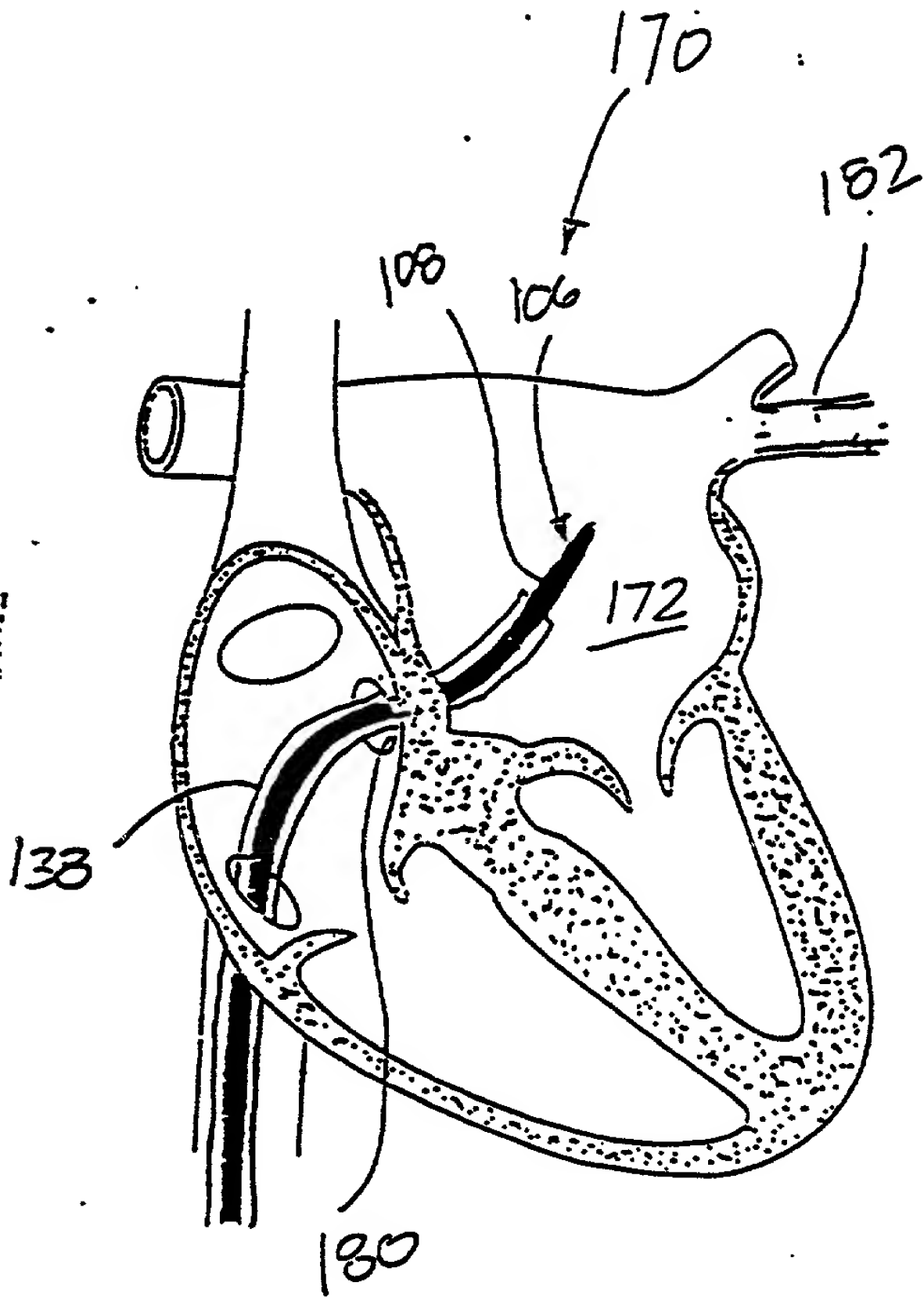
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FIG. 14



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FIG. 15



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FIG. 16

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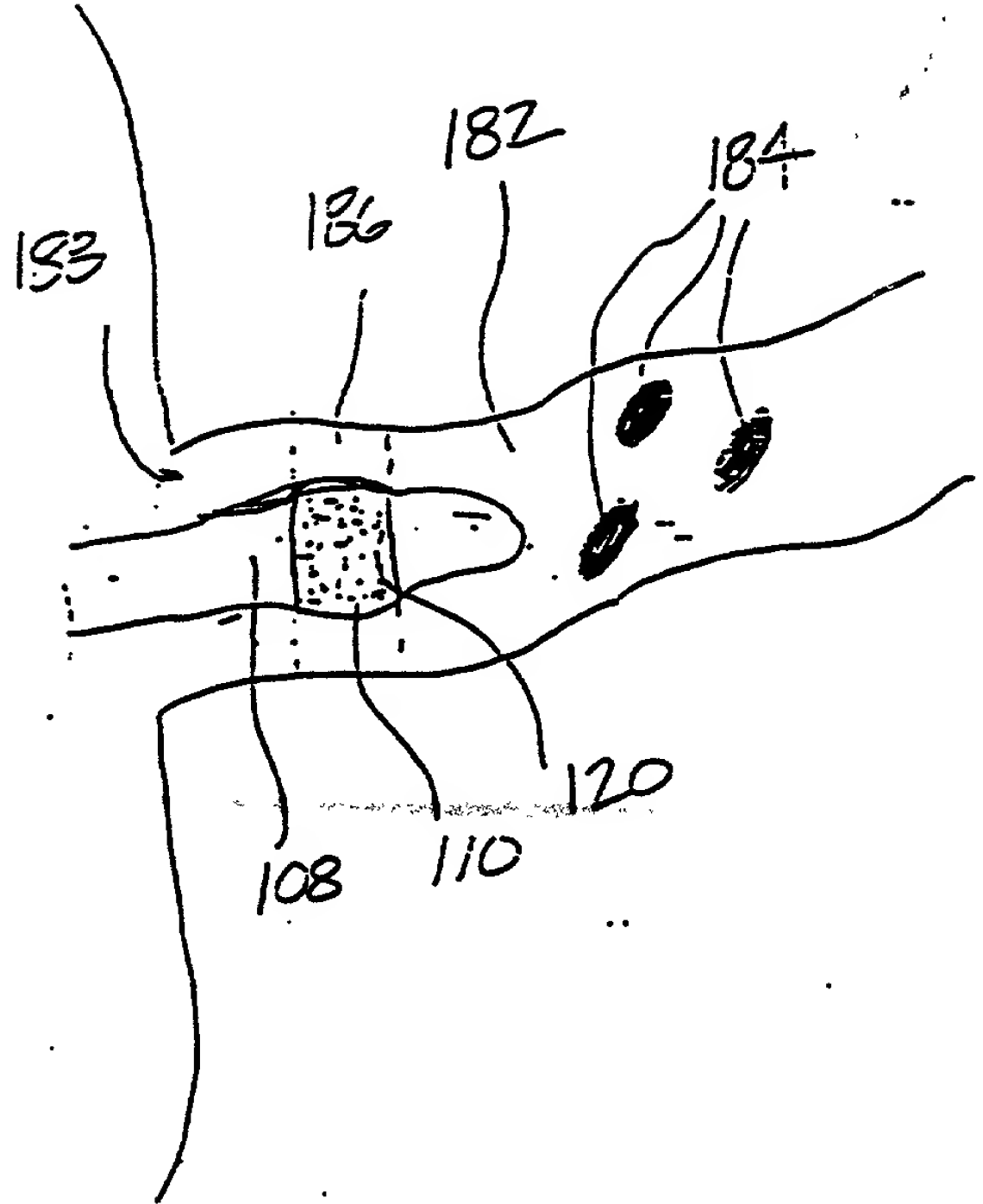
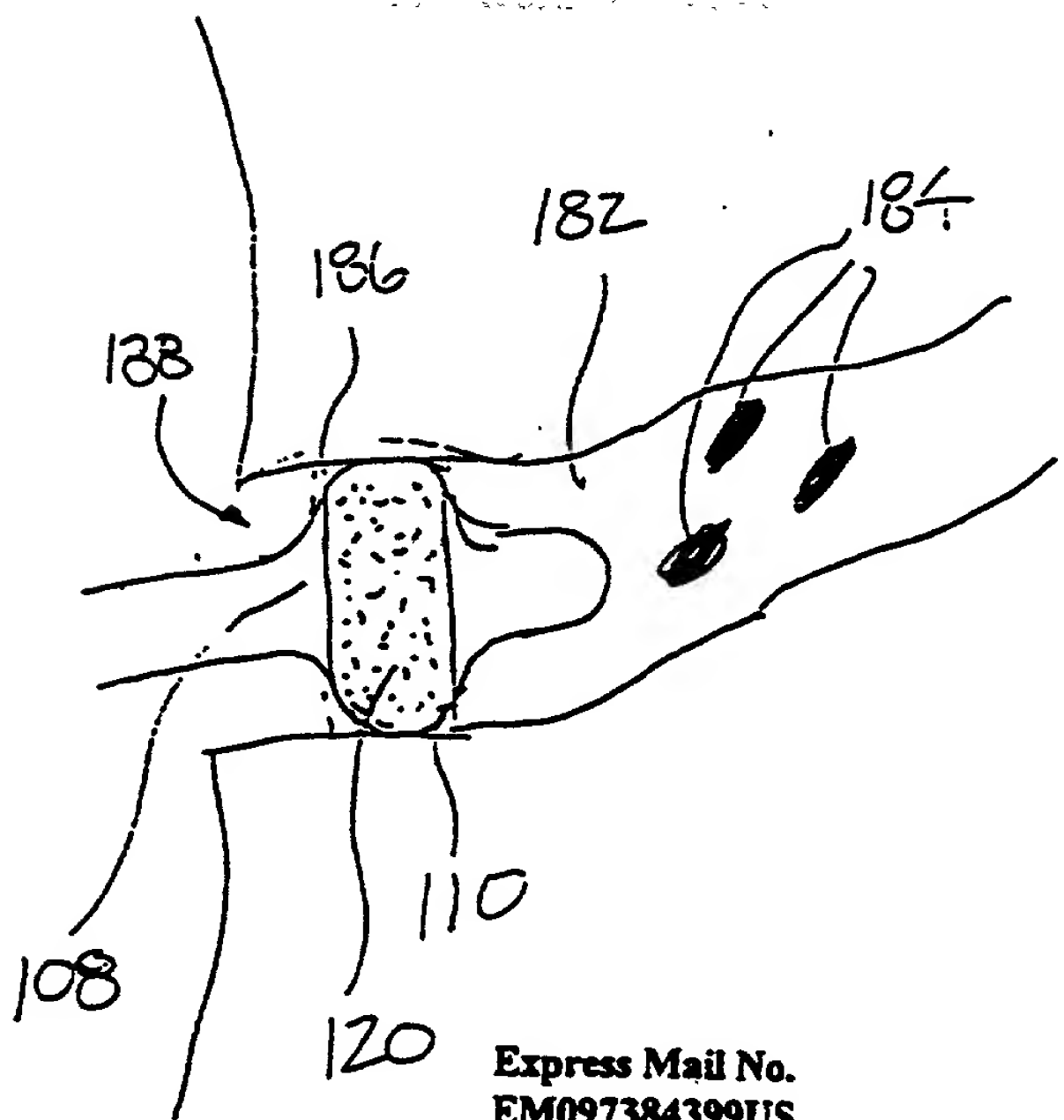


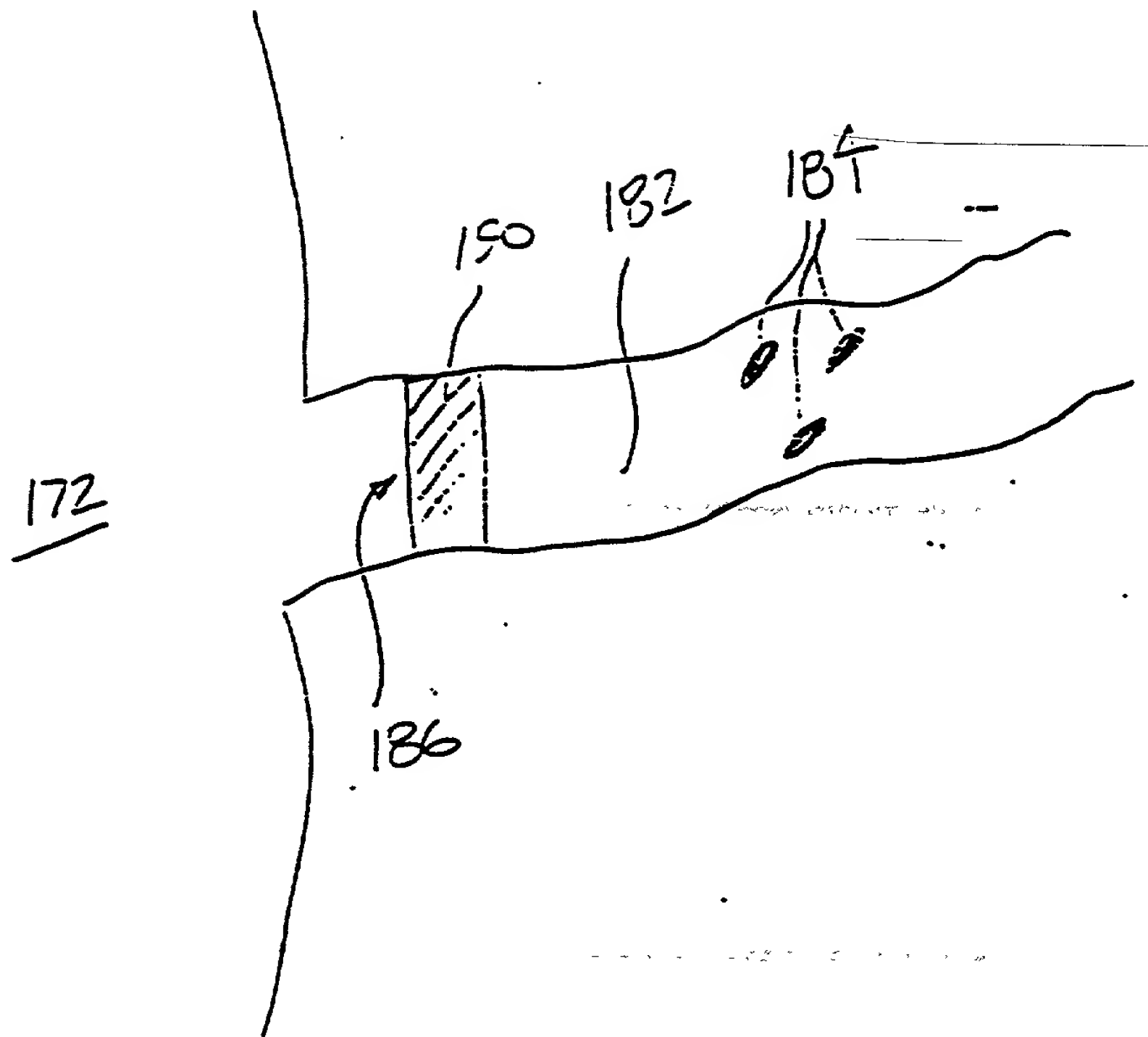
FIG 17

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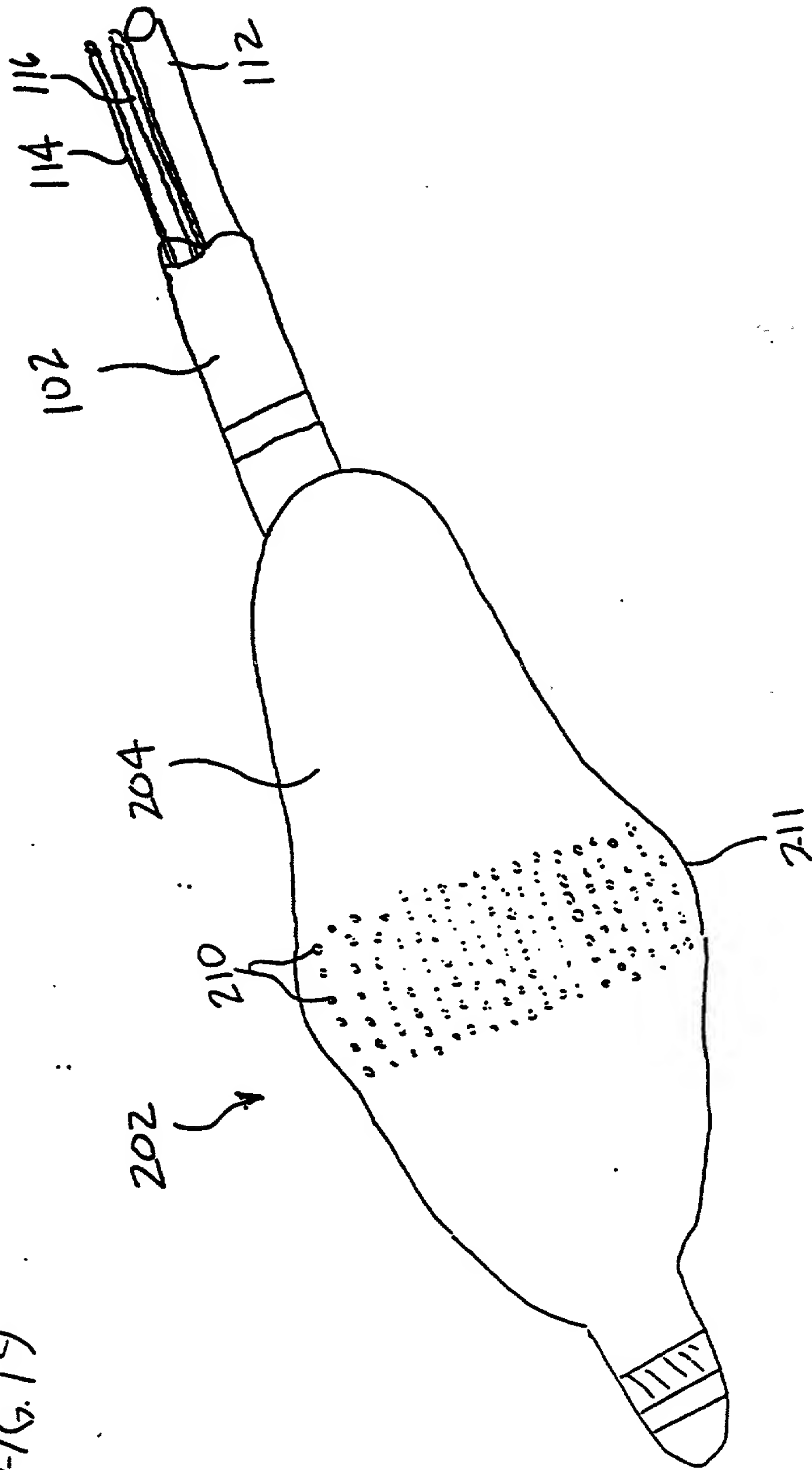
FIG. 18.



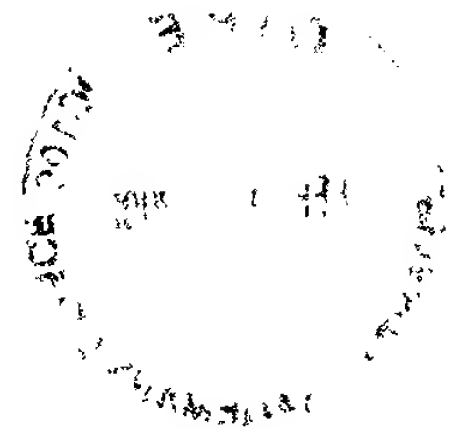
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| 1990-1991 | | 1991-1992 | | 1992-1993 | | 1993-1994 | | 1994-1995 | | 1995-1996 | | 1996-1997 | | 1997-1998 | | 1998-1999 | | 1999-2000 | | 2000-2001 | | 2001-2002 | | 2002-2003 | | 2003-2004 | | 2004-2005 | | 2005-2006 | | 2006-2007 | | 2007-2008 | | 2008-2009 | | 2009-2010 | | 2010-2011 | | 2011-2012 | | 2012-2013 | | 2013-2014 | | 2014-2015 | | 2015-2016 | | 2016-2017 | | 2017-2018 | | 2018-2019 | | 2019-2020 | | 2020-2021 | | 2021-2022 | | 2022-2023 | | 2023-2024 | | 2024-2025 | | 2025-2026 | | 2026-2027 | | 2027-2028 | | 2028-2029 | | 2029-2030 | | 2030-2031 | | 2031-2032 | | 2032-2033 | | 2033-2034 | | 2034-2035 | | 2035-2036 | | 2036-2037 | | 2037-2038 | | 2038-2039 | | 2039-2040 | | 2040-2041 | | 2041-2042 | | 2042-2043 | | 2043-2044 | | 2044-2045 | | 2045-2046 | | 2046-2047 | | 2047-2048 | | 2048-2049 | | 2049-2050 | | 2050-2051 | | 2051-2052 | | 2052-2053 | | 2053-2054 | | 2054-2055 | | 2055-2056 | | 2056-2057 | | 2057-2058 | | 2058-2059 | | 2059-2060 | | 2060-2061 | | 2061-2062 | | 2062-2063 | | 2063-2064 | | 2064-2065 | | 2065-2066 | | 2066-2067 | | 2067-2068 | | 2068-2069 | | 2069-2070 | | 2070-2071 | | 2071-2072 | | 2072-2073 | | 2073-2074 | | 2074-2075 | | 2075-2076 | | 2076-2077 | | 2077-2078 | | 2078-2079 | | 2079-2080 | | 2080-2081 | | 2081-2082 | | 2082-2083 | | 2083-2084 | | 2084-2085 | | 2085-2086 | | 2086-2087 | | 2087-2088 | | 2088-2089 | | 2089-2090 | | 2090-2091 | | 2091-2092 | | 2092-2093 | | 2093-2094 | | 2094-2095 | | 2095-2096 | | 2096-2097 | | 2097-2098 | | 2098-2099 | | 2099-2100 | | 2100-2101 | | 2101-2102 | | 2102-2103 | | 2103-2104 | | 2104-2105 | | 2105-2106 | | 2106-2107 | | 2107-2108 | | 2108-2109 | | 2109-2110 | | 2110-2111 | | 2111-2112 | | 2112-2113 | | 2113-2114 | | 2114-2115 | | 2115-2116 | | 2116-2117 | | 2117-2118 | | 2118-2119 | | 2119-2120 | | 2120-2121 | | 2121-2122 | | 2122-2123 | | 2123-2124 | | 2124-2125 | | 2125-2126 | | 2126-2127 | | 2127-2128 | | 2128-2129 | | 2129-2130 | | 2130-2131 | | 2131-2132 | | 2132-2133 | | 2133-2134 | | 2134-2135 | | 2135-2136 | | 2136-2137 | | 2137-2138 | | 2138-2139 | | 2139-2140 | | 2140-2141 | | 2141-2142 | | 2142-2143 | | 2143-2144 | | 2144-2145 | | 2145-2146 | | 2146-2147 | | 2147-2148 | | 2148-2149 | | 2149-2150 | | 2150-2151 | | 2151-2152 | | 2152-2153 | | 2153-2154 | | 2154-2155 | | 2155-2156 | | 2156-2157 | | 2157-2158 | | 2158-2159 | | 2159-2160 | | 2160-2161 | | 2161-2162 | | 2162-2163 | | 2163-2164 | | 2164-2165 | | 2165-2166 | | 2166-2167 | | 2167-2168 | | 2168-2169 | | 2169-2170 | | 2170-2171 | | 2171-2172 | | 2172-2173 | | 2173-2174 | | 2174-2175 | | 2175-2176 | | 2176-2177 | | 2177-2178 | | 2178-2179 | | 2179-2180 | | 2180-2181 | | 2181-2182 | | 2182-2183 | | 2183-2184 | | 2184-2185 | | 2185-2186 | | 2186-2187 | | 2187-2188 | | 2188-2189 | | 2189-2190 | | 2190-2191 | | 2191-2192 | | 2192-2193 | | 2193-2194 | | 2194-2195 | | 2195-2196 | | 2196-2197 | | 2197-2198 | | 2198-2199 | | 2199-2200 | | 2200-2201 | | 2201-2202 | | 2202-2203 | | 2203-2204 | | 2204-2205 | | 2205-2206 | | 2206-2207 | | 2207-2208 | | 2208-2209 | | 2209-2210 | | 2210-2211 | | 2211-2212 | | 2212-2213 | | 2213-2214 | | 2214-2215 | | 2215-2216 | | 2216-2217 | |
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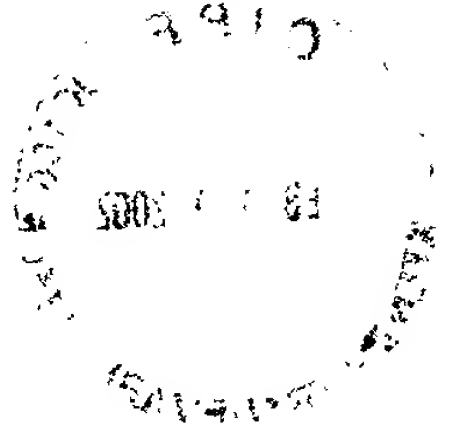
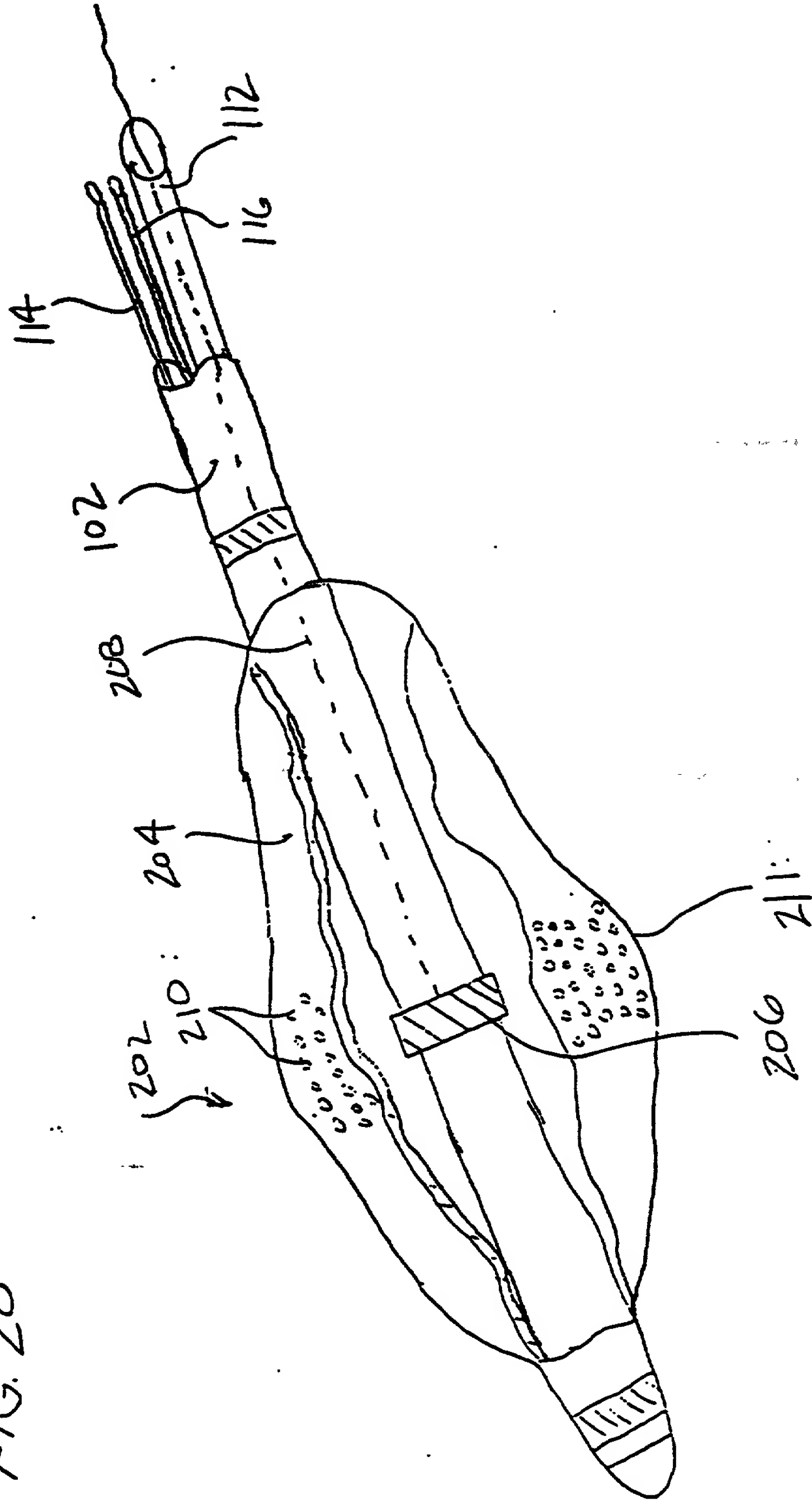


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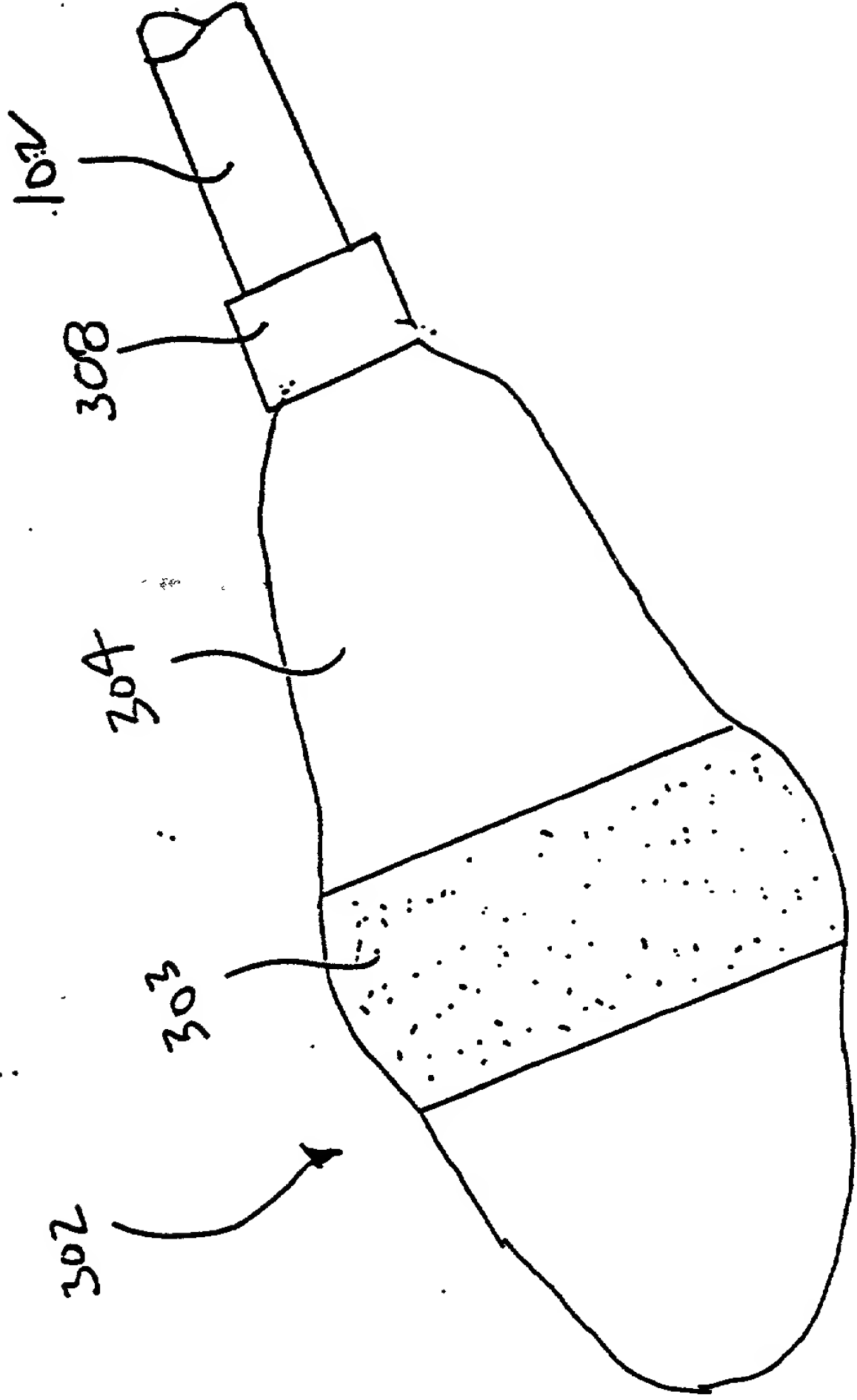
30720" 155250

FIG. 20



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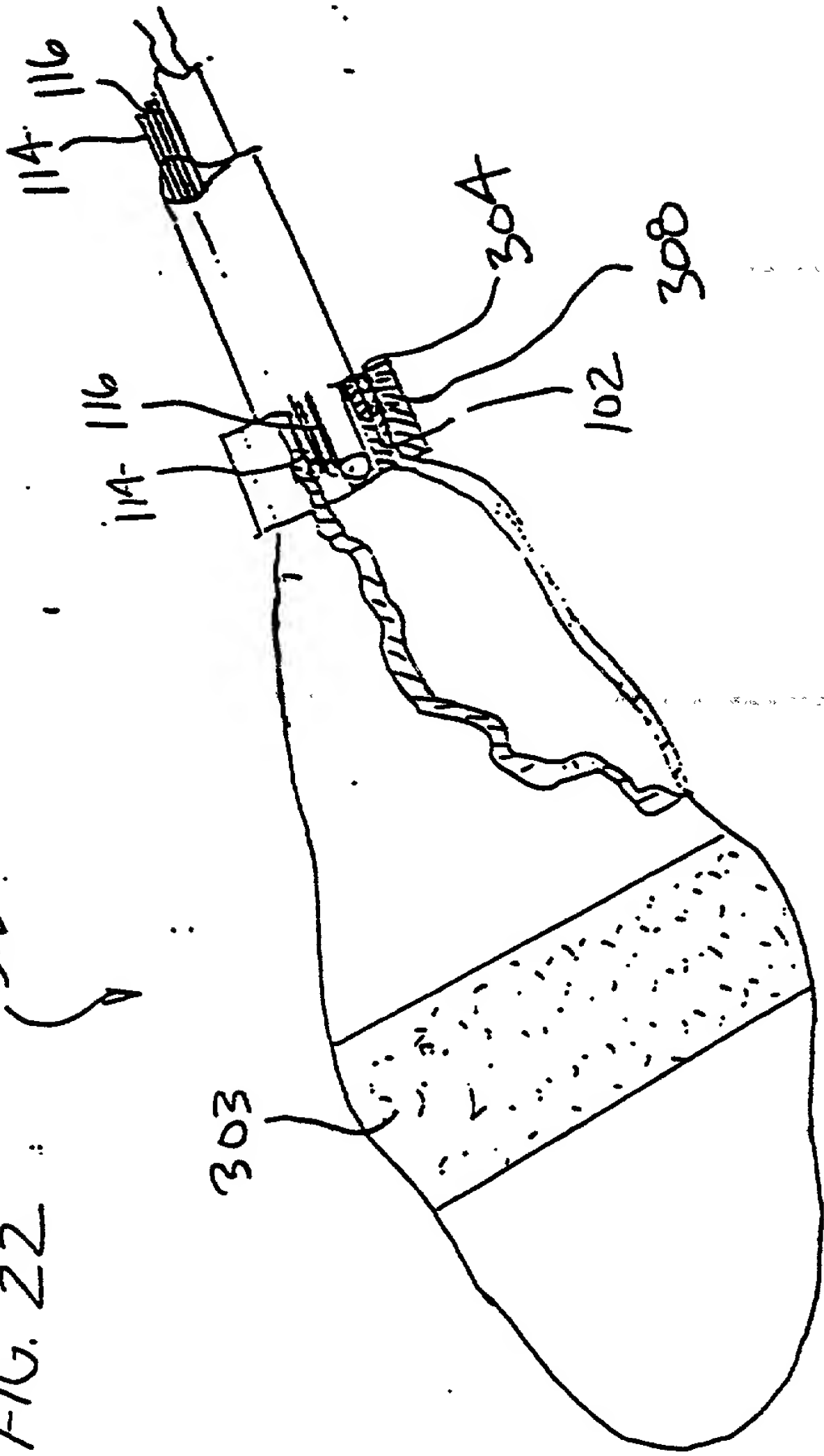
FIG. 21



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FIG. 22



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FIG. 23

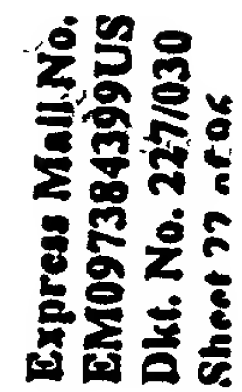
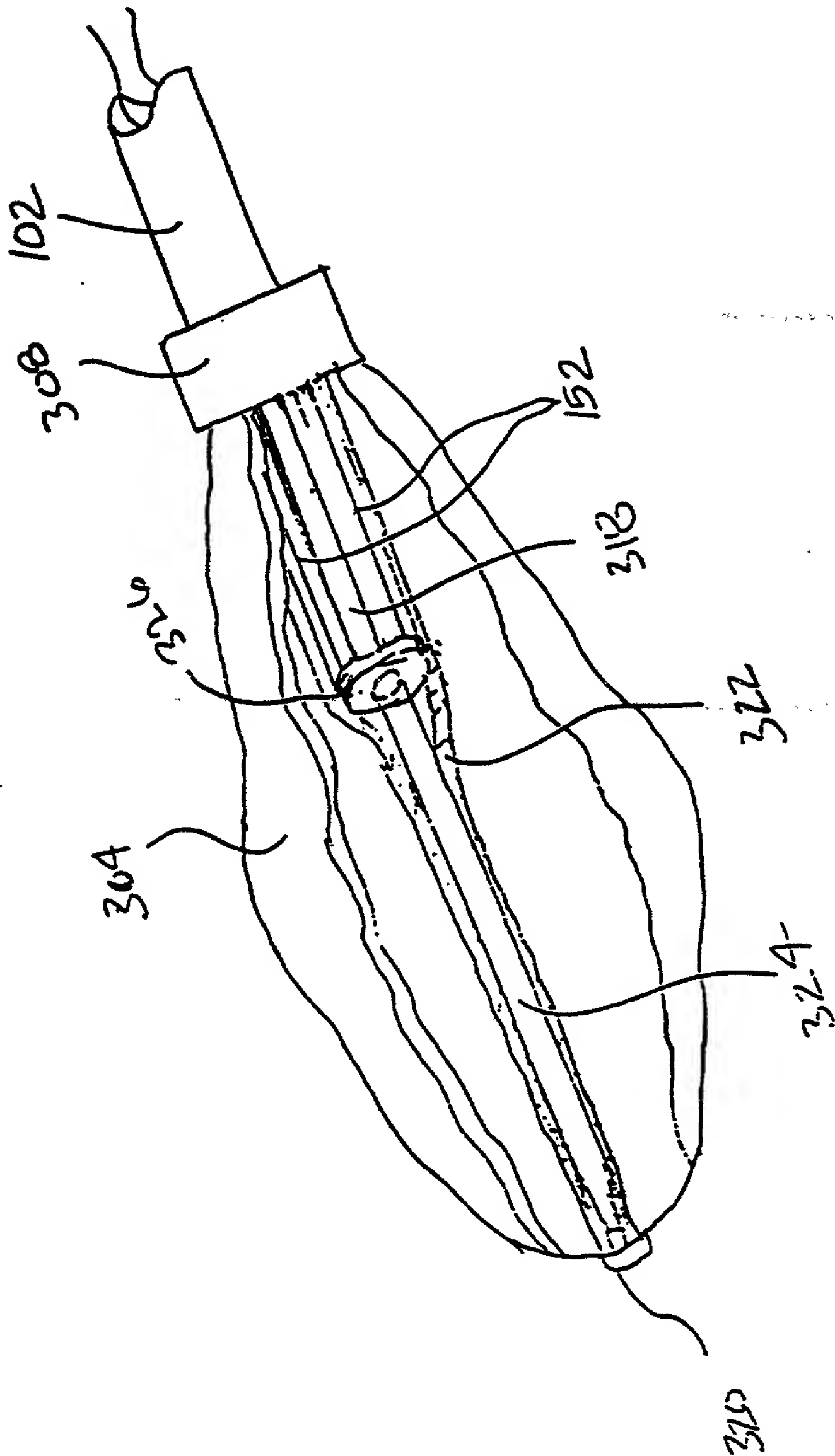


FIG. 24

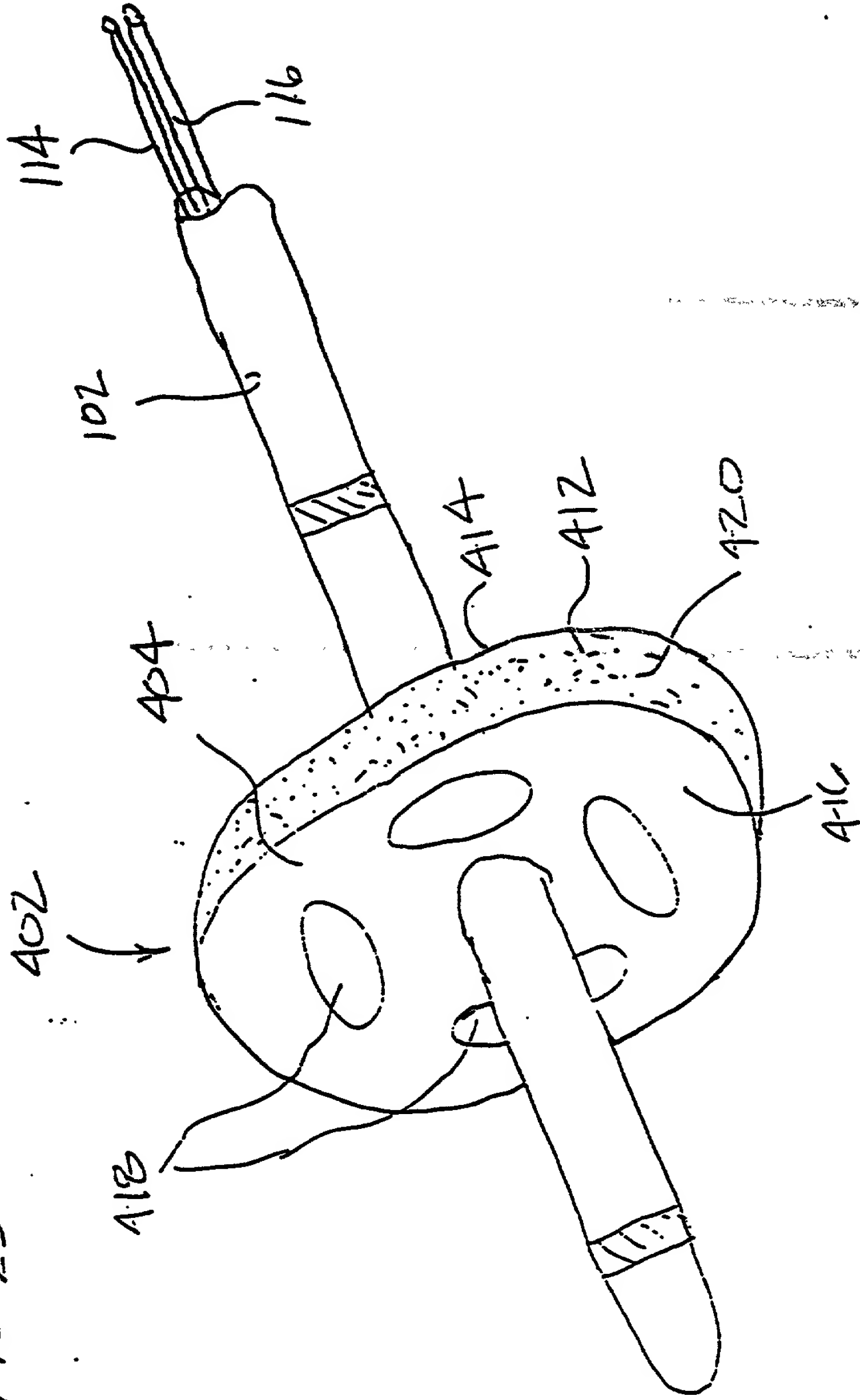
FIG. 24



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Sheet 23 of 27

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FIG 25



Express Mail No.
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Dkt. No. 227/030
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FIG. 26

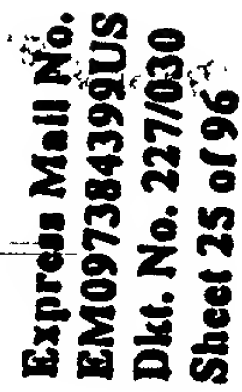
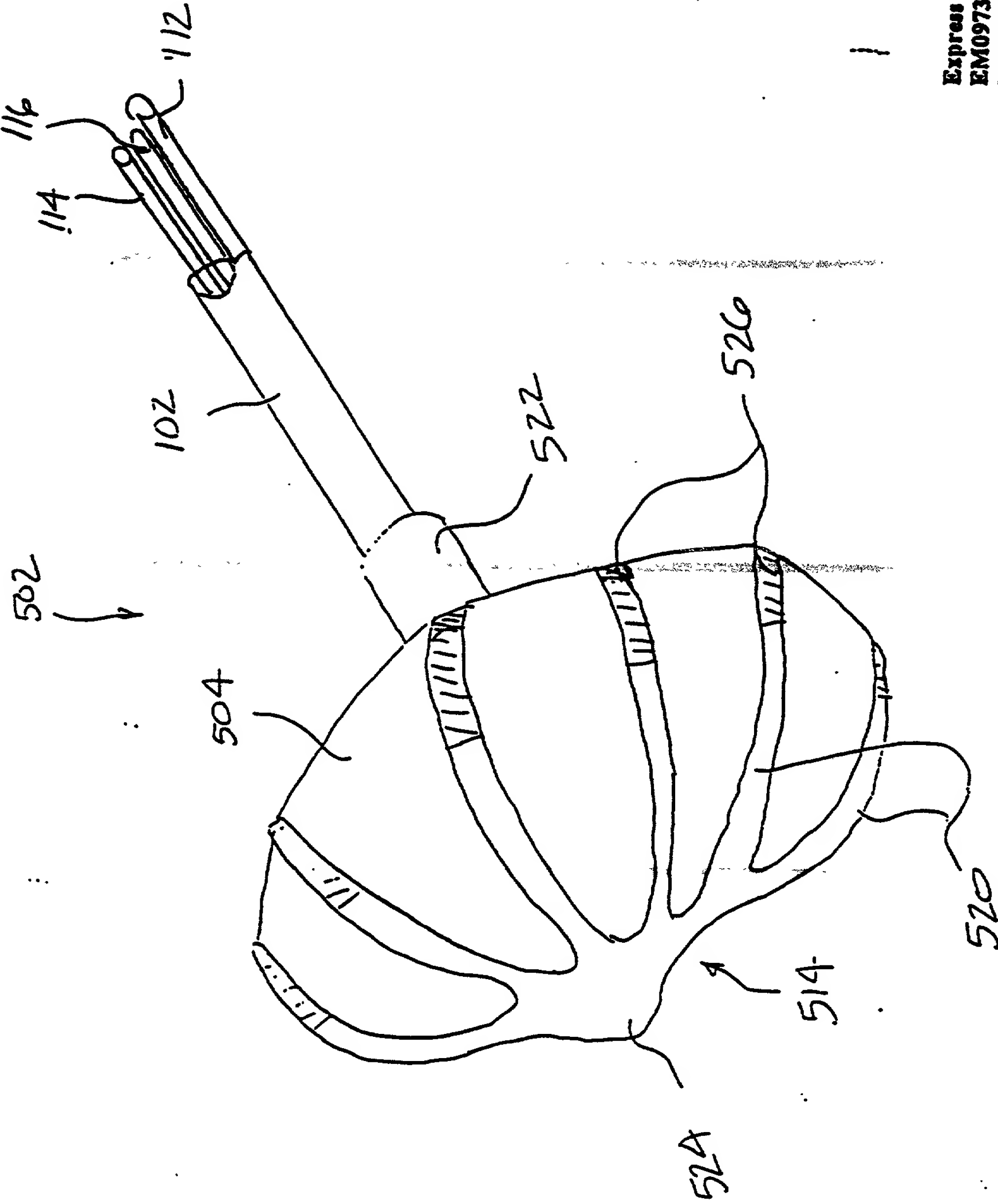


FIG. 27

FIG. 27

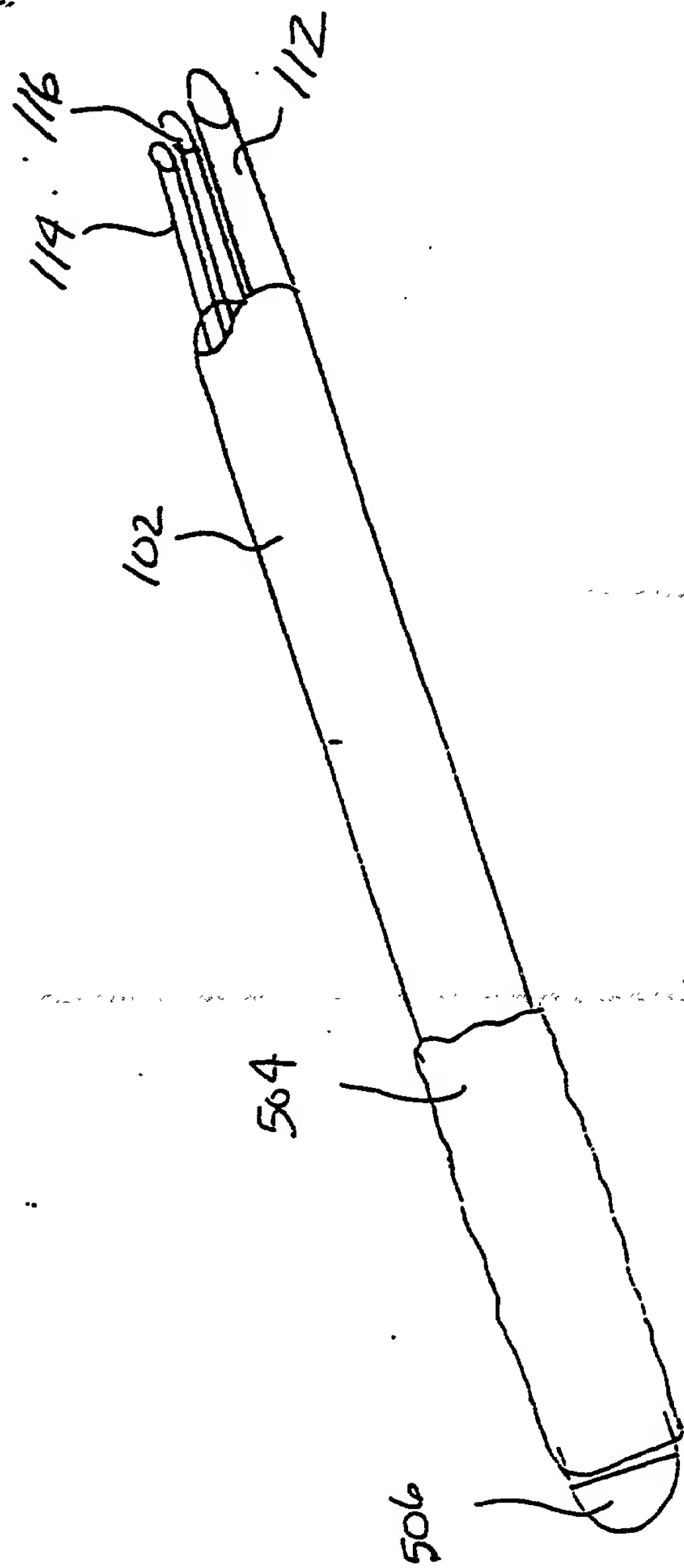


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Dkt. No. 227/030
Sheet 12 of 12



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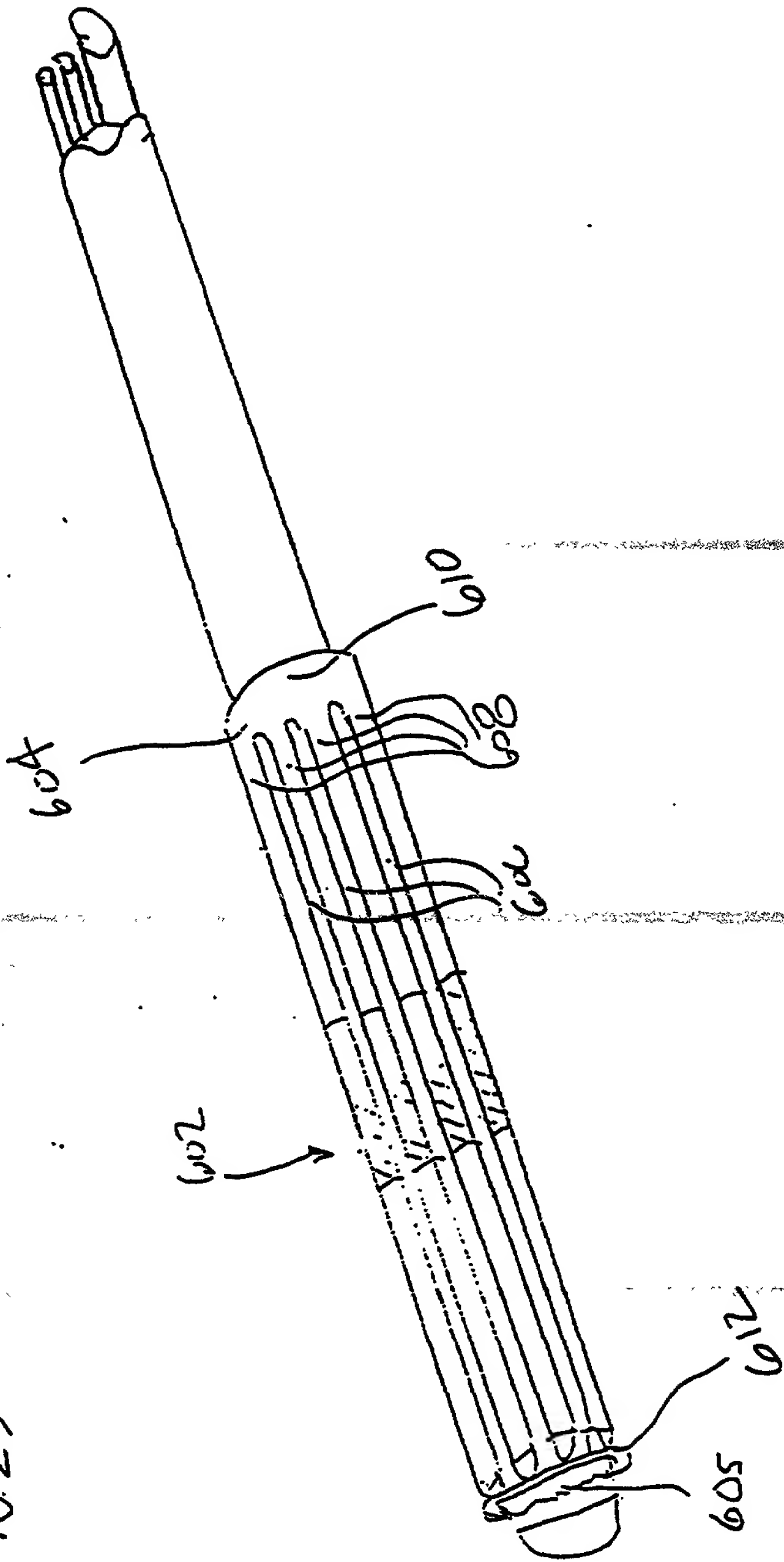
FIG. 28



Express Mail No.
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Dkt. No. 227/030
Sheet 27 of 96

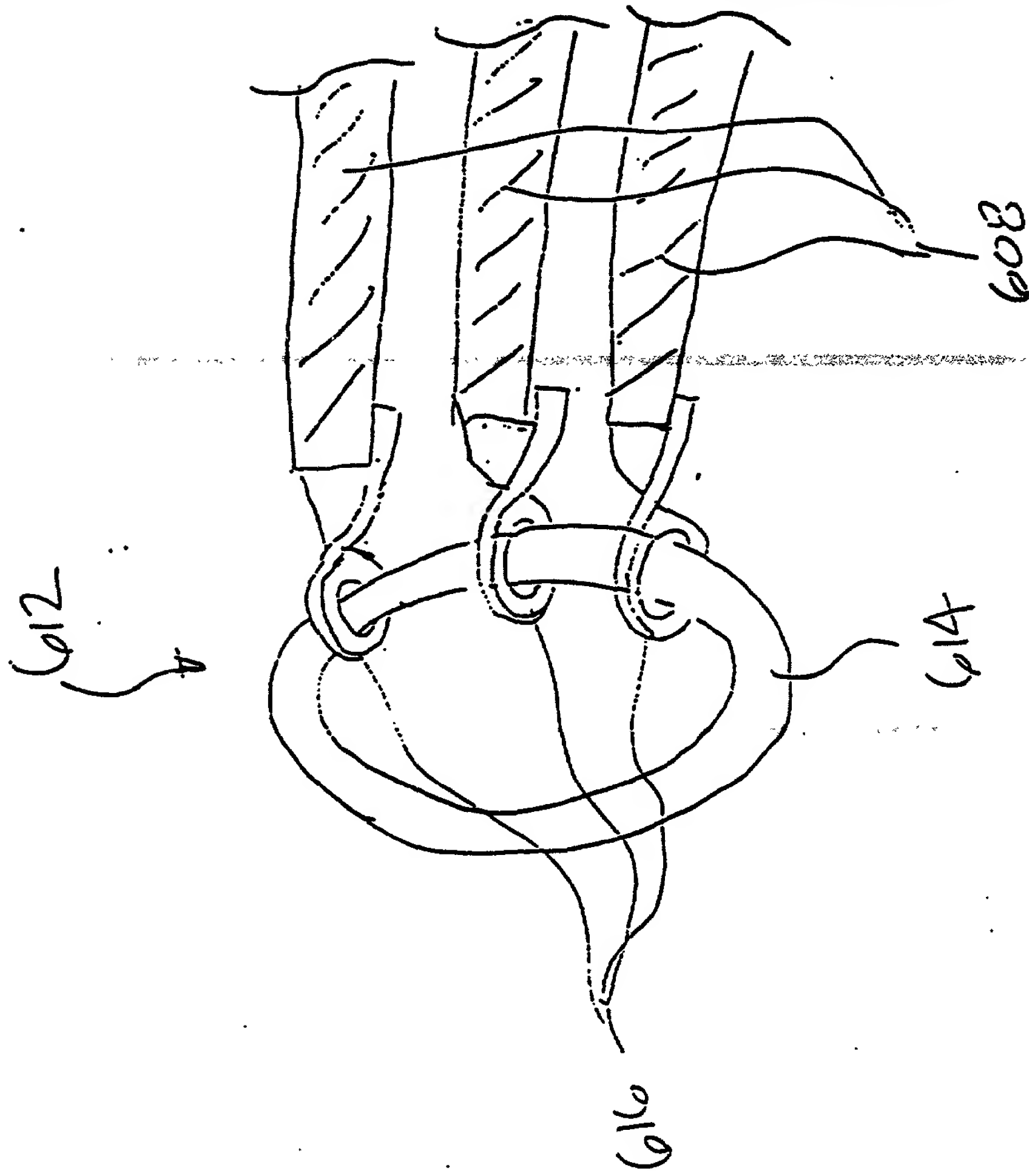
2017-03-23 15:25:50

FIG. 29



Express Mail No.
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Sheet 28 of 66

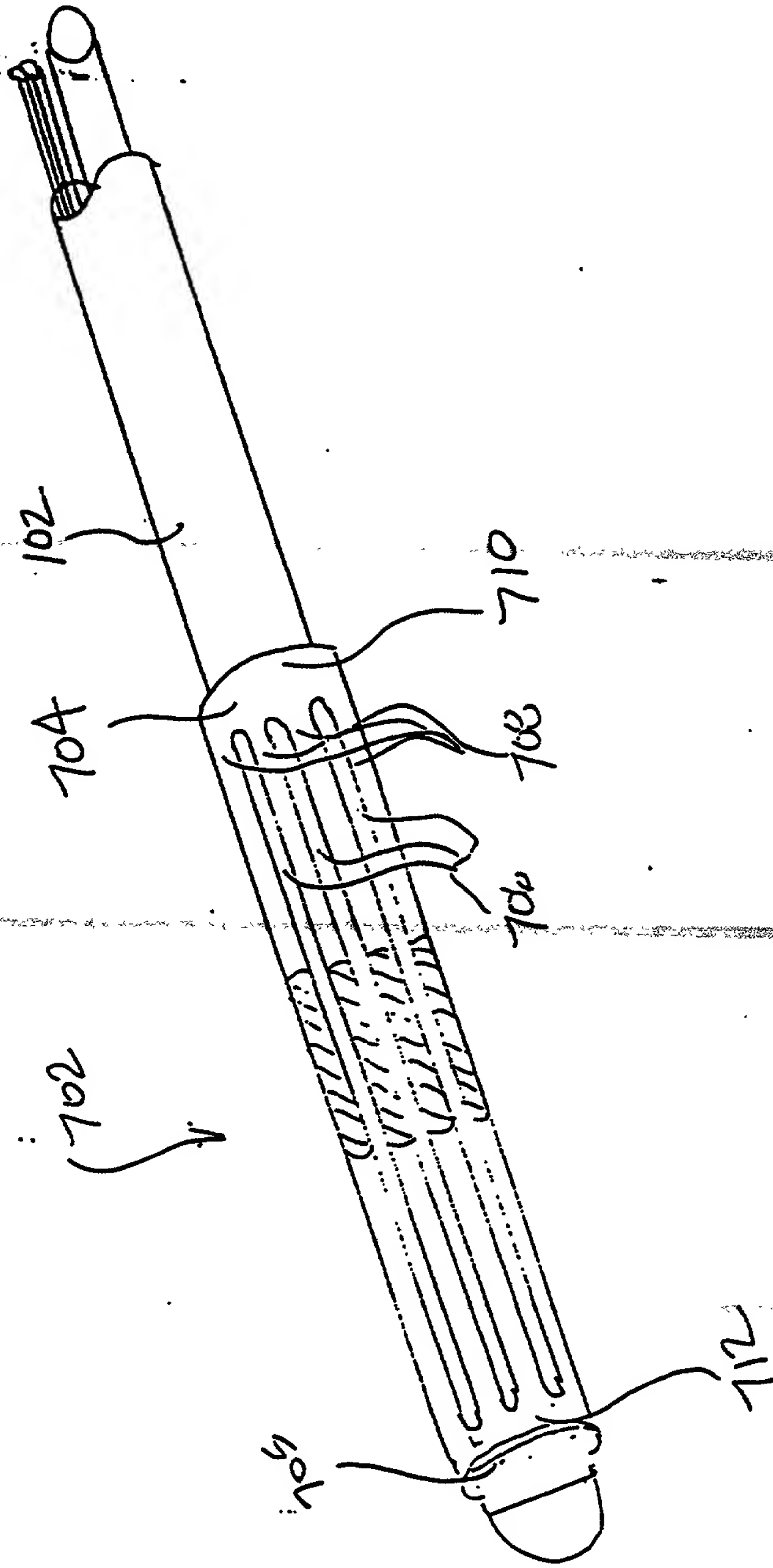
FIG. 30



Express Mail No.
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Dkt. No. 227/030

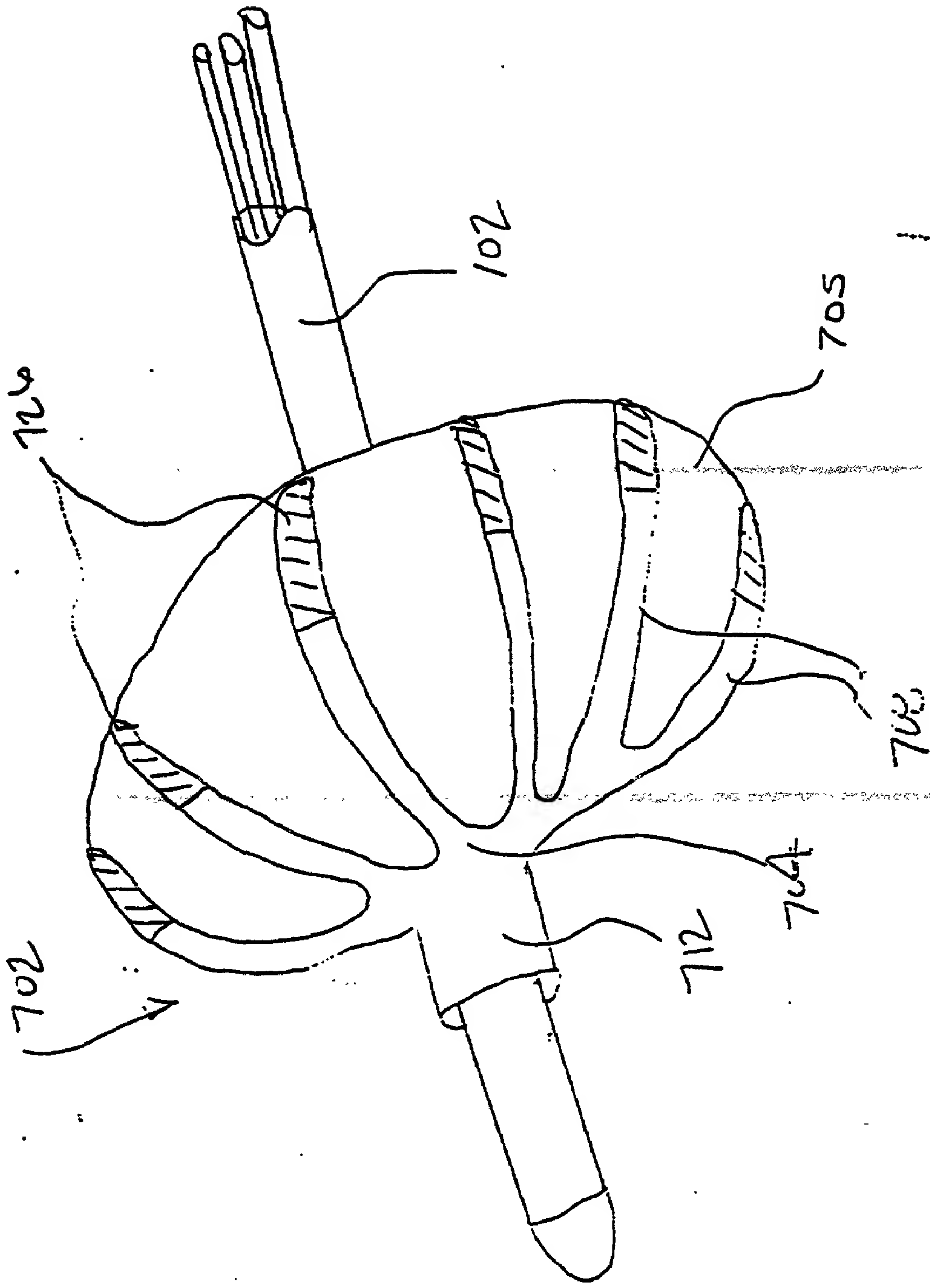
OFFICE

FIG. 31



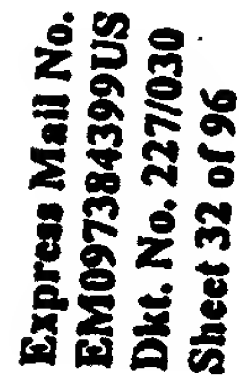
Express Mail No.
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Dkt. No. 227/030
Oct 20 2006

FIG. 32



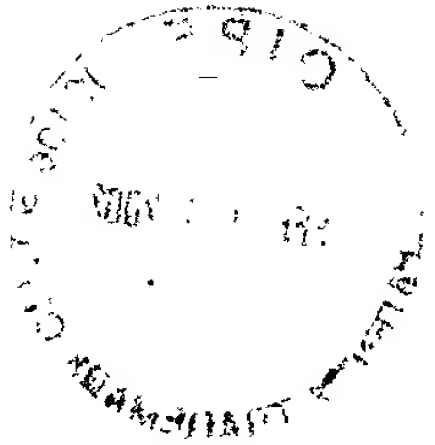
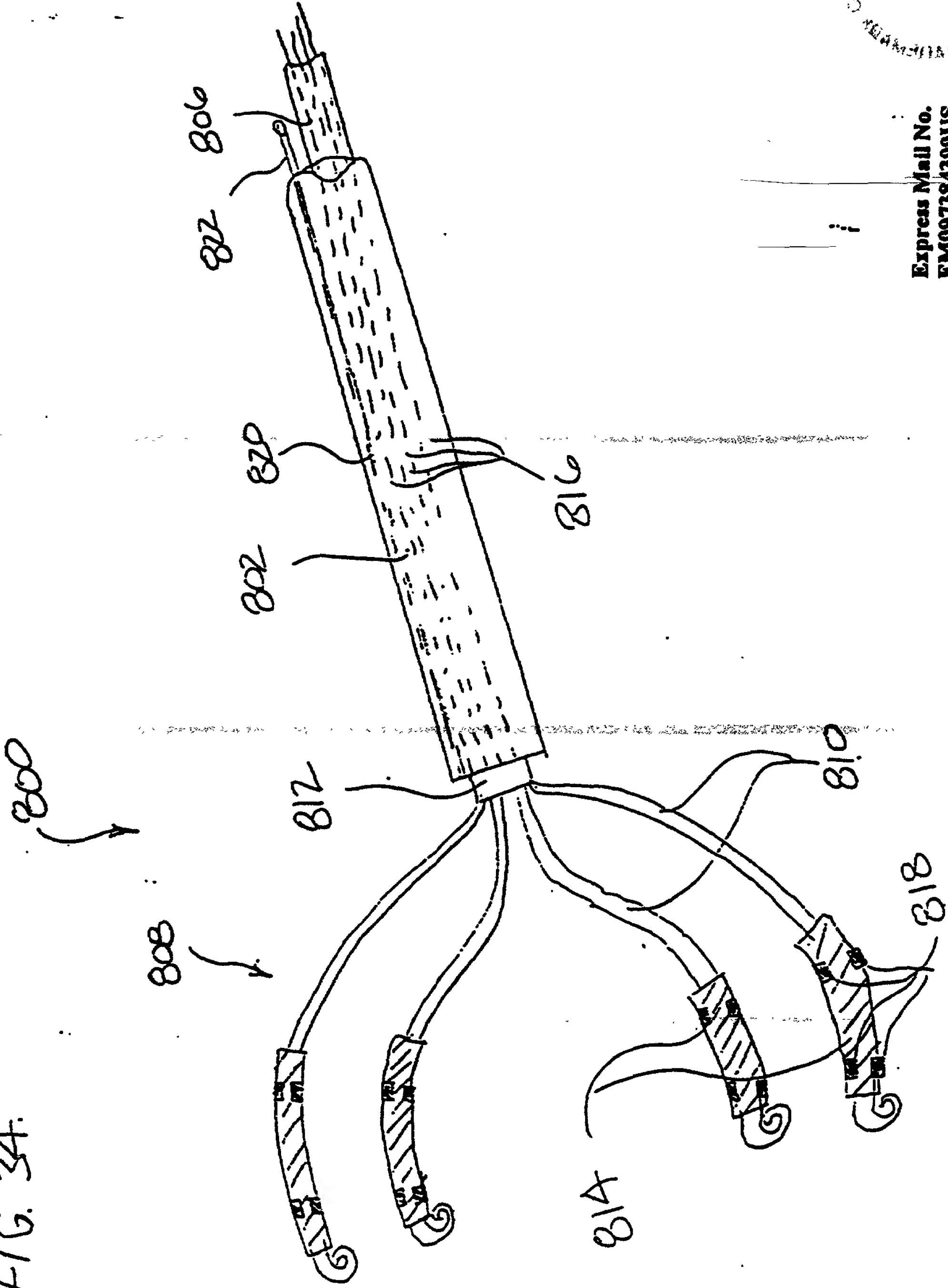
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F/G. 33.



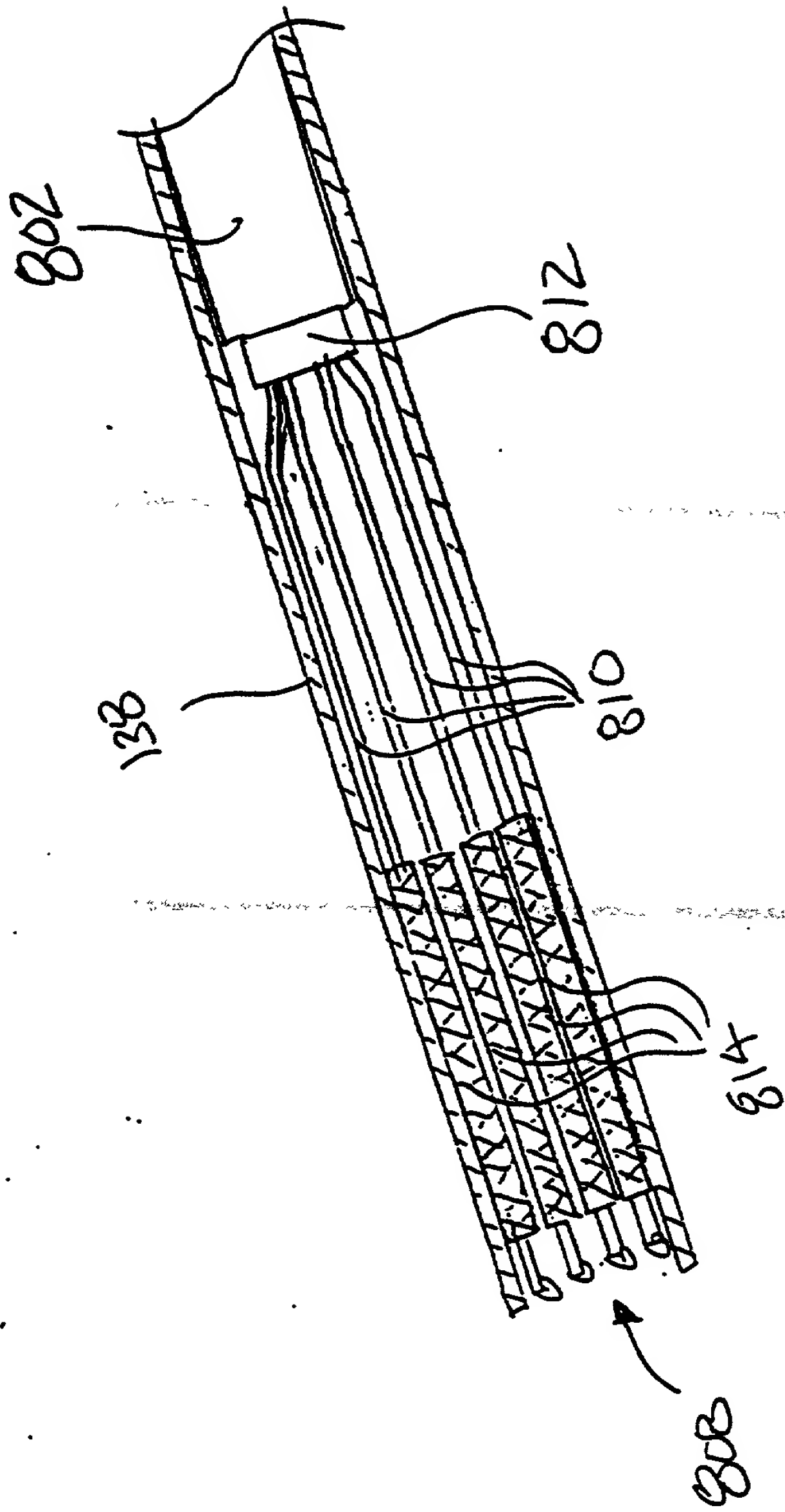
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FIG. 34.



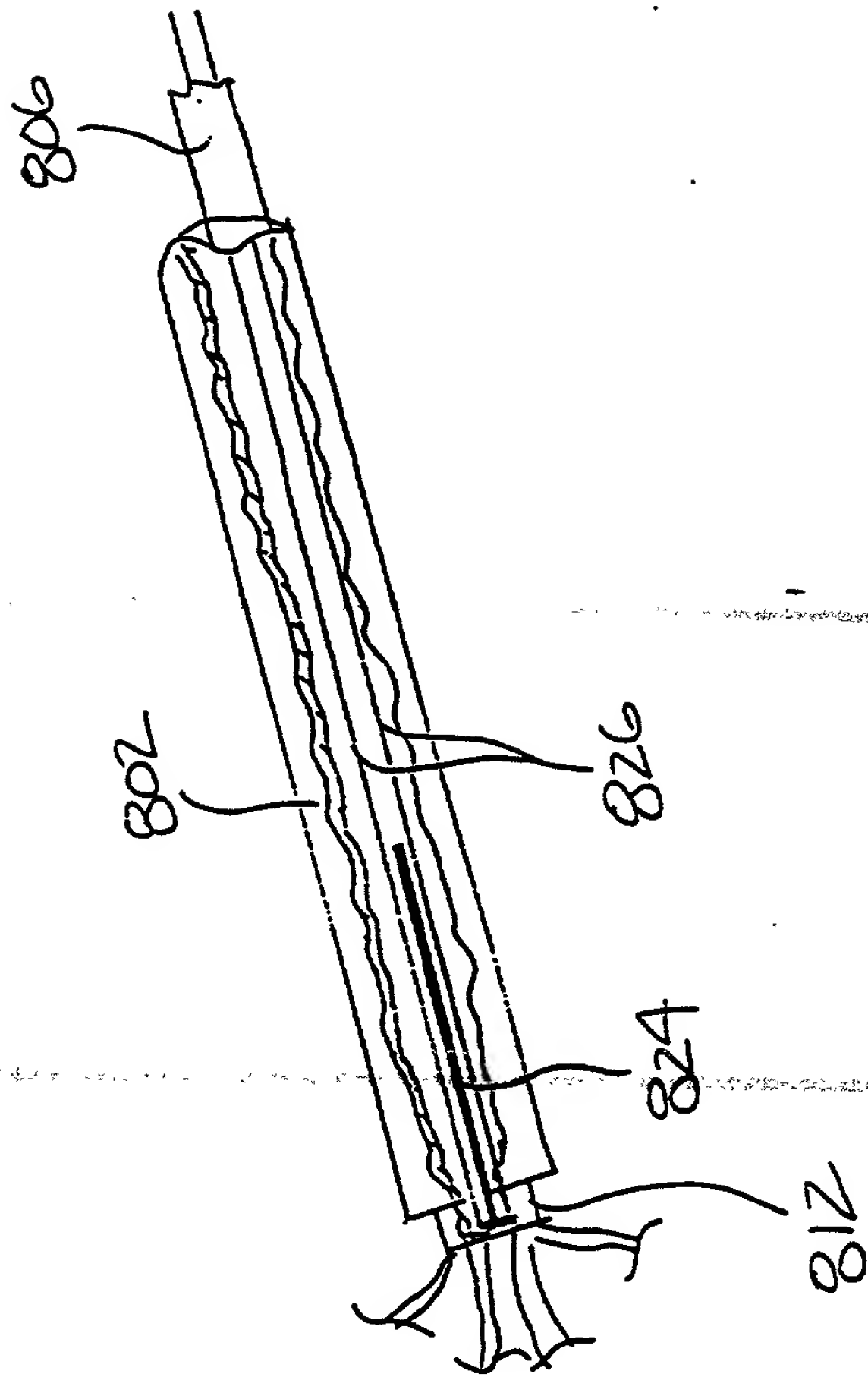
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FIG. 35



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FIG. 36



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FIG. 37

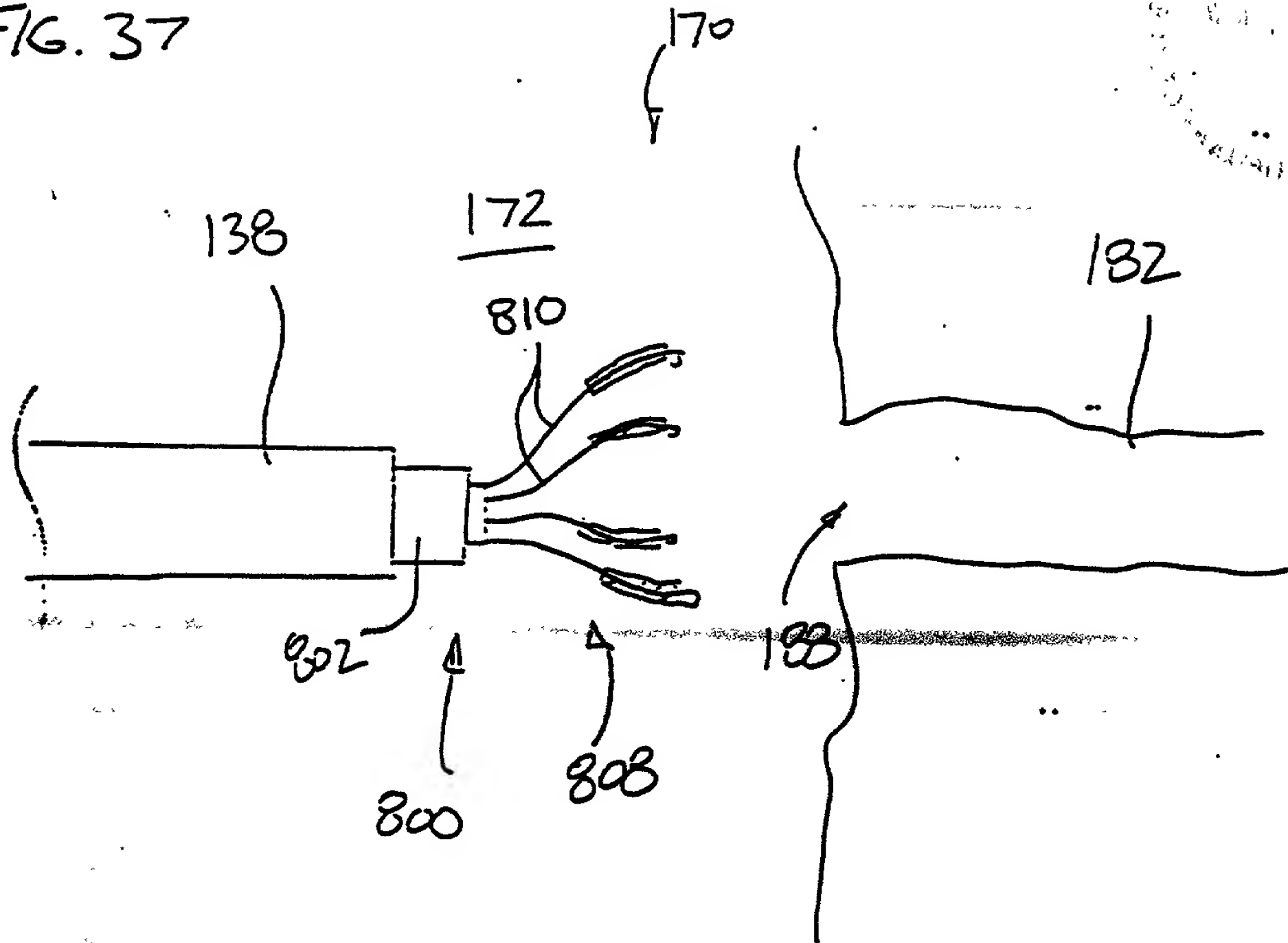
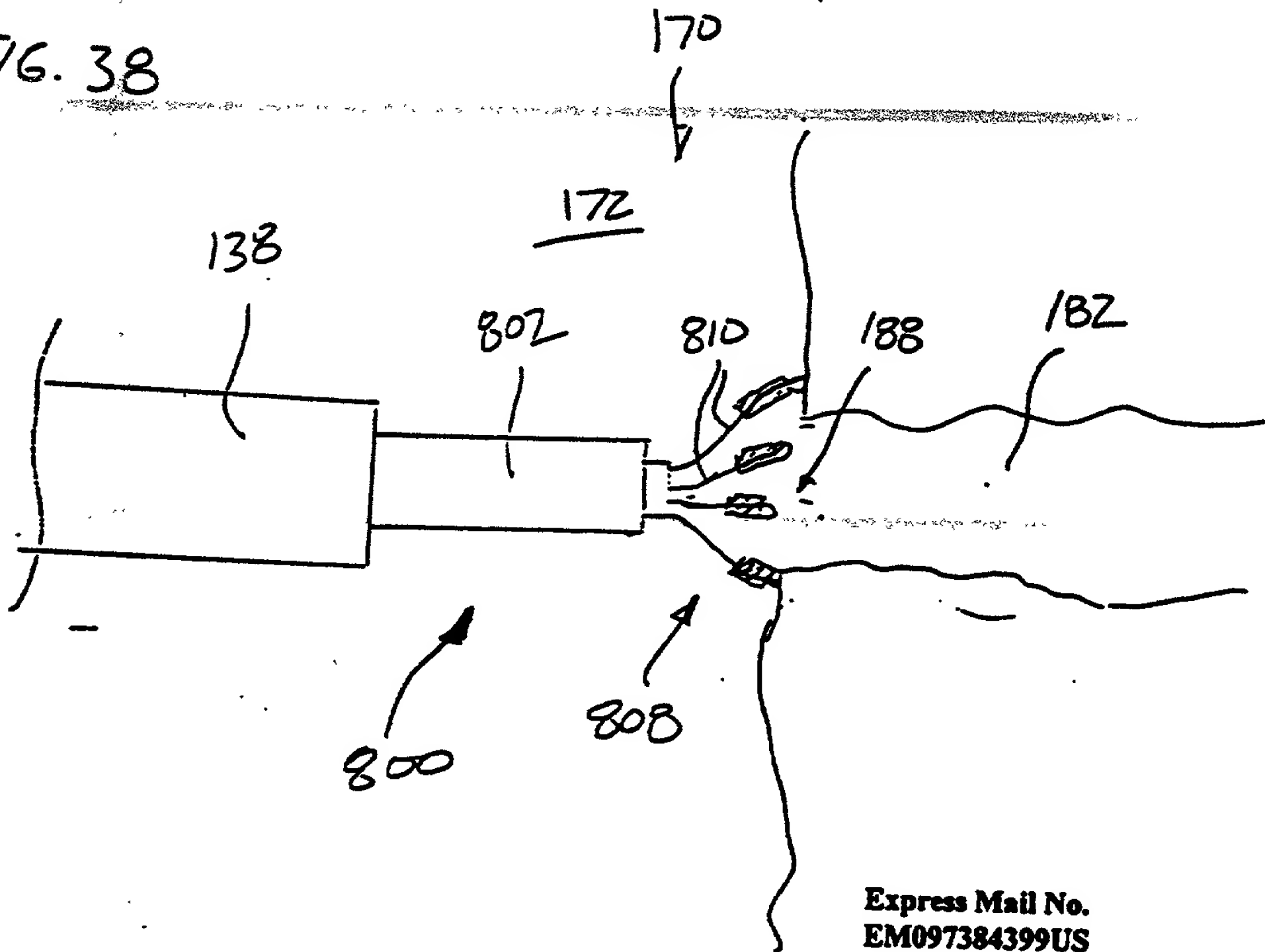


FIG. 38



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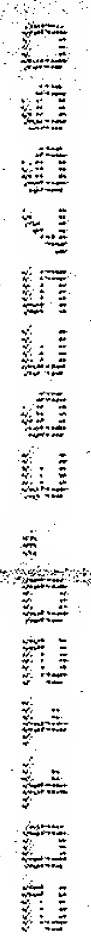


FIG. 40 170

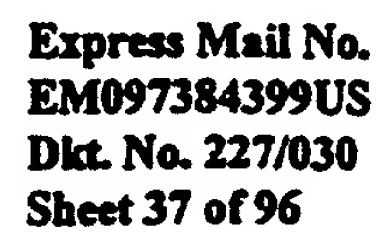
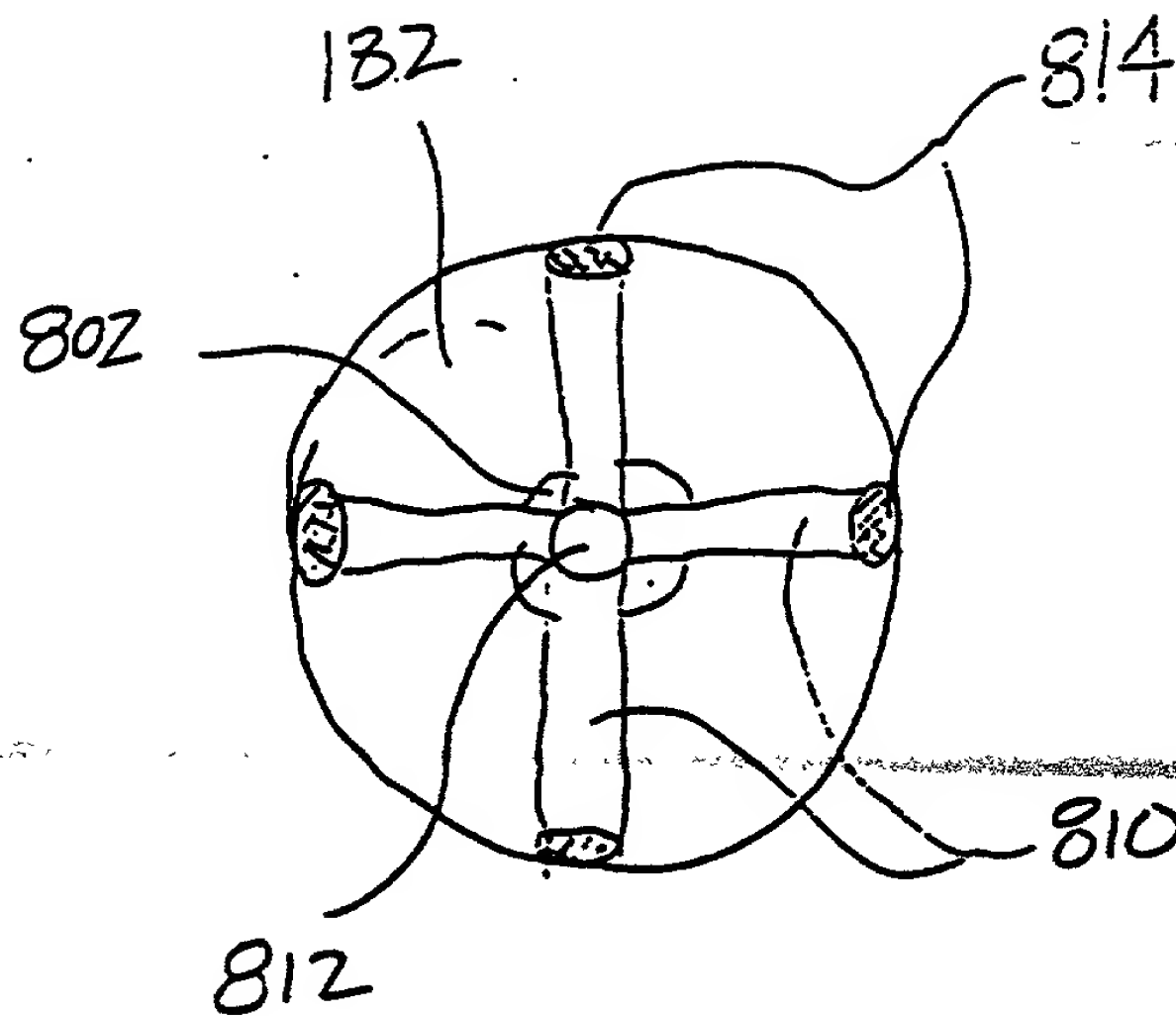
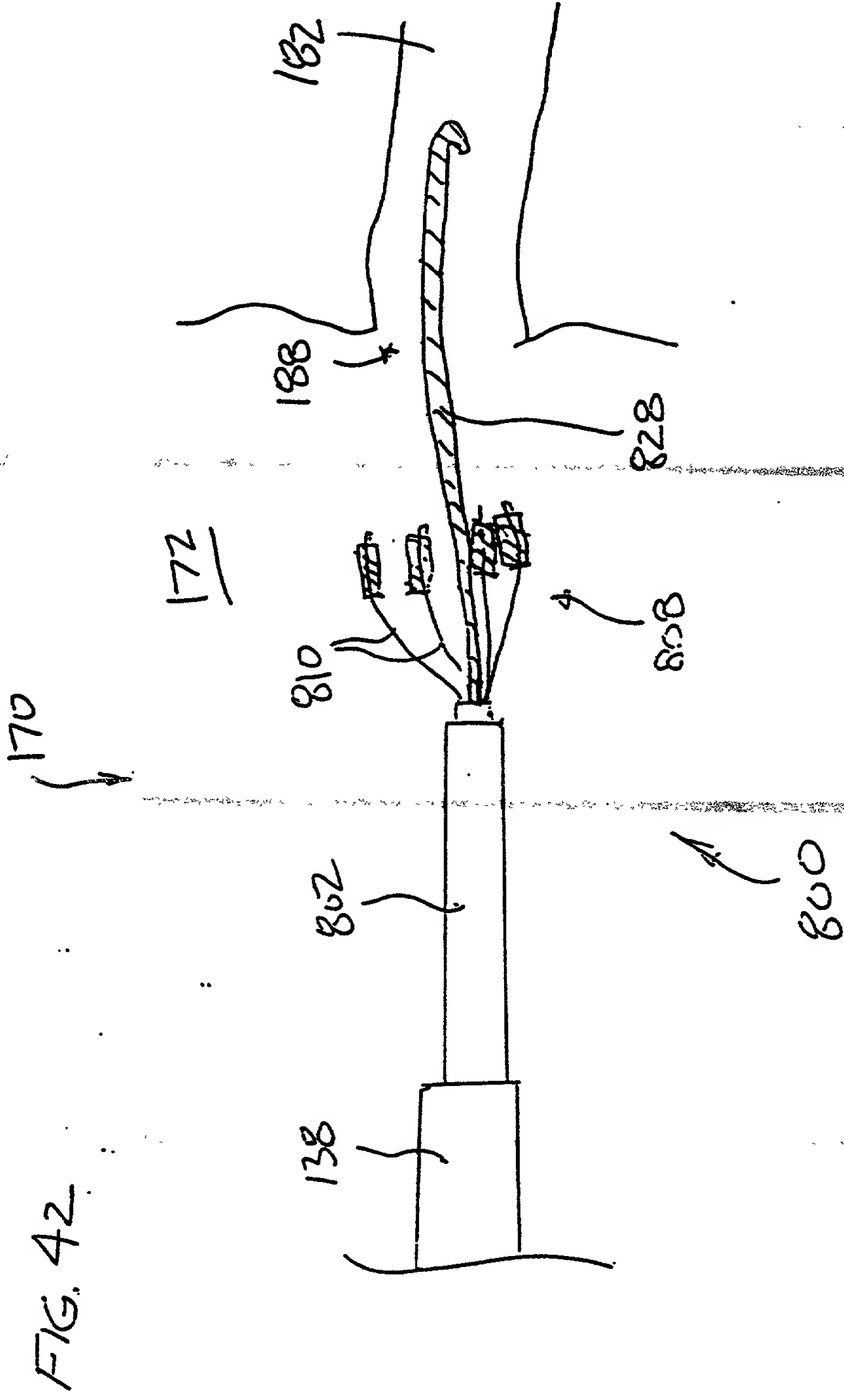


FIG. 41

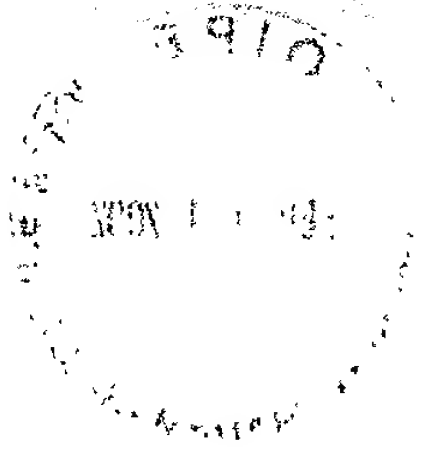


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FIG. 43A

170

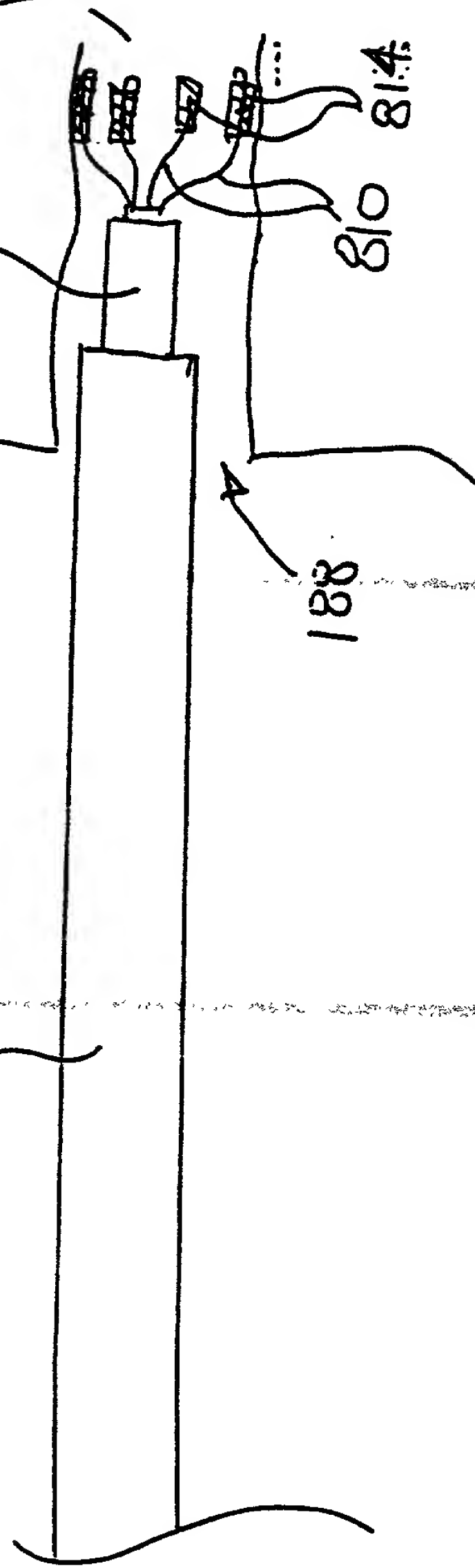


172

802

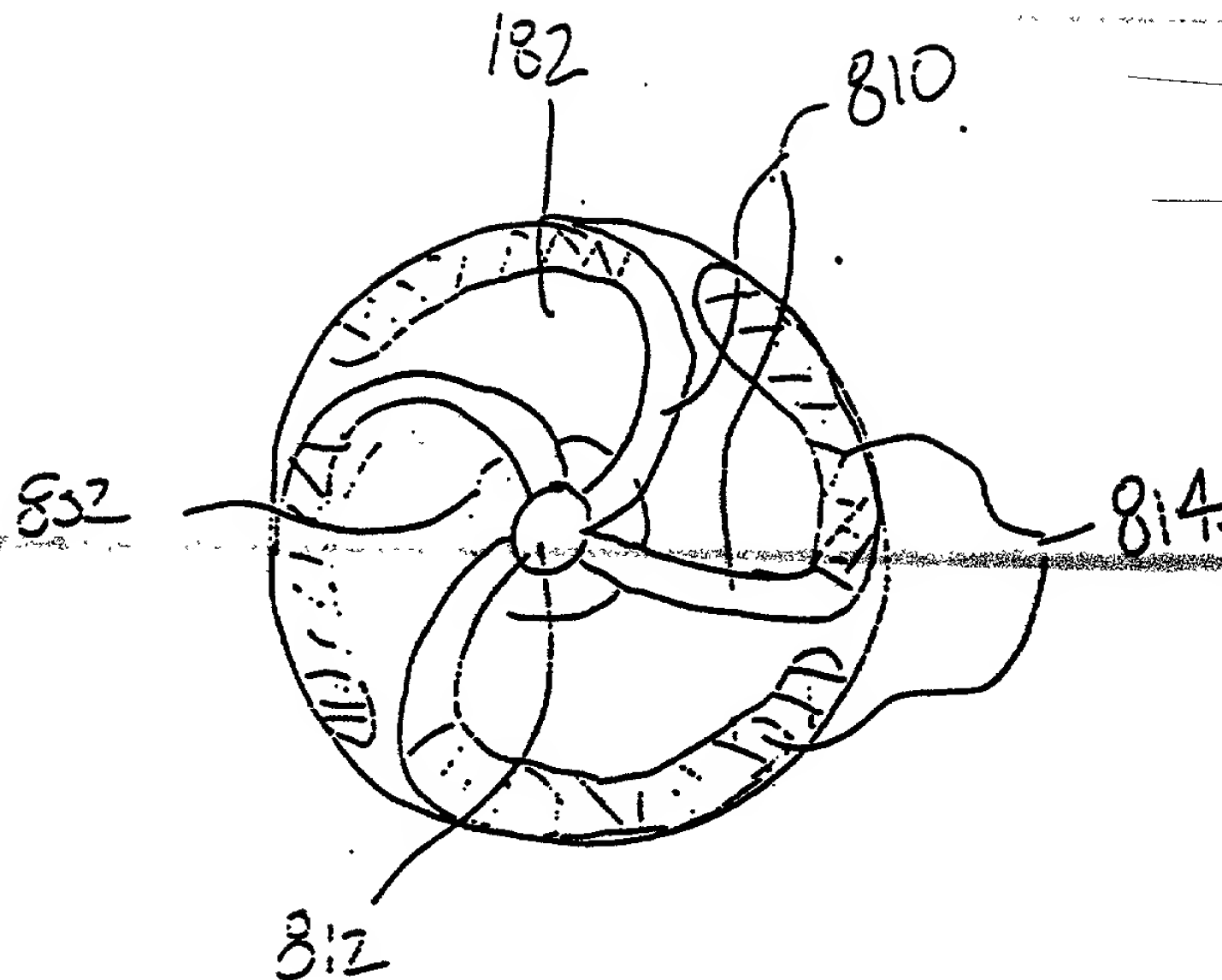
182

130



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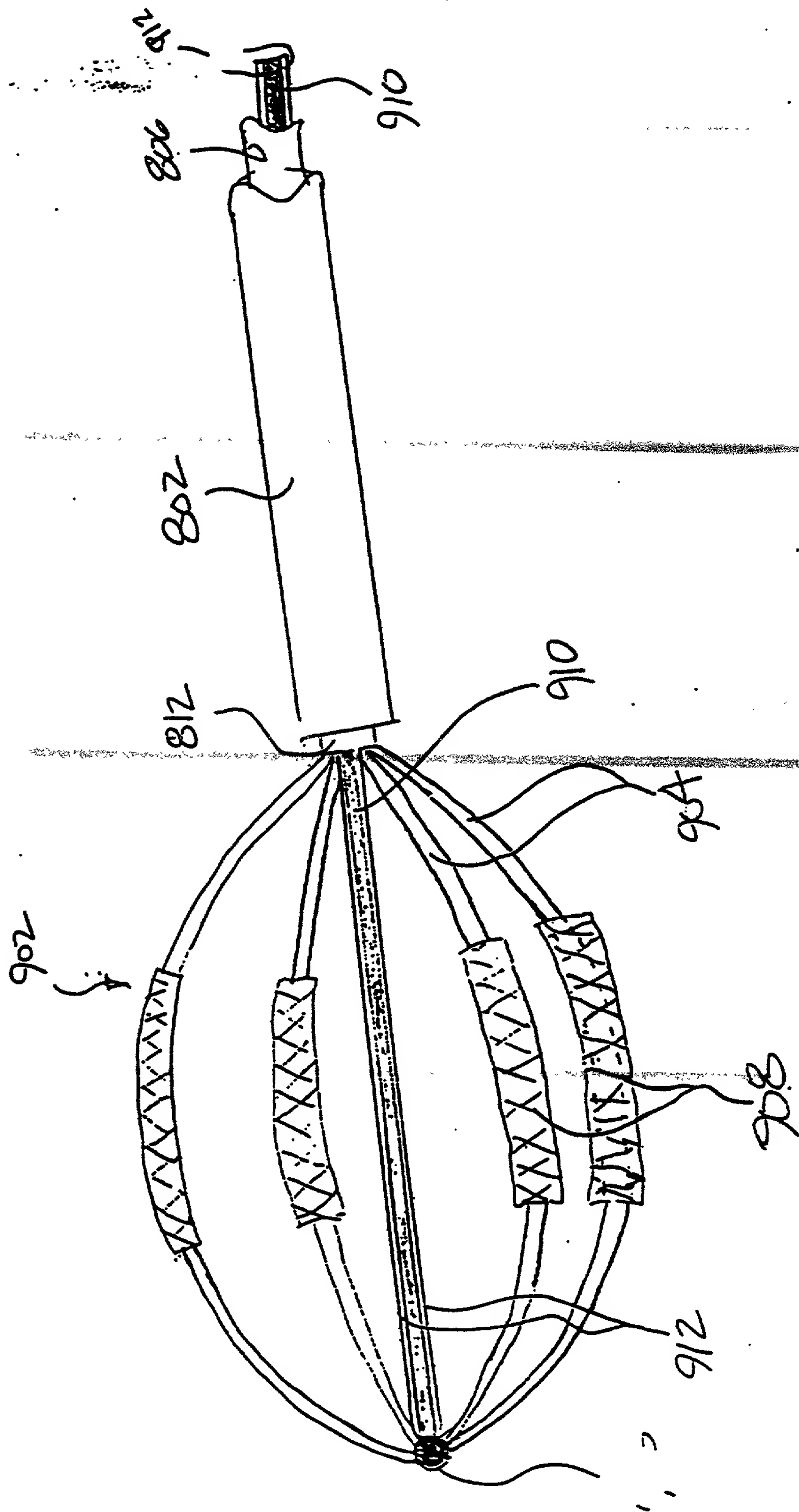
FIG 43B



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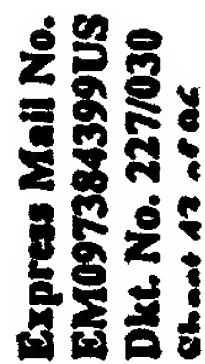
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FIG. 44



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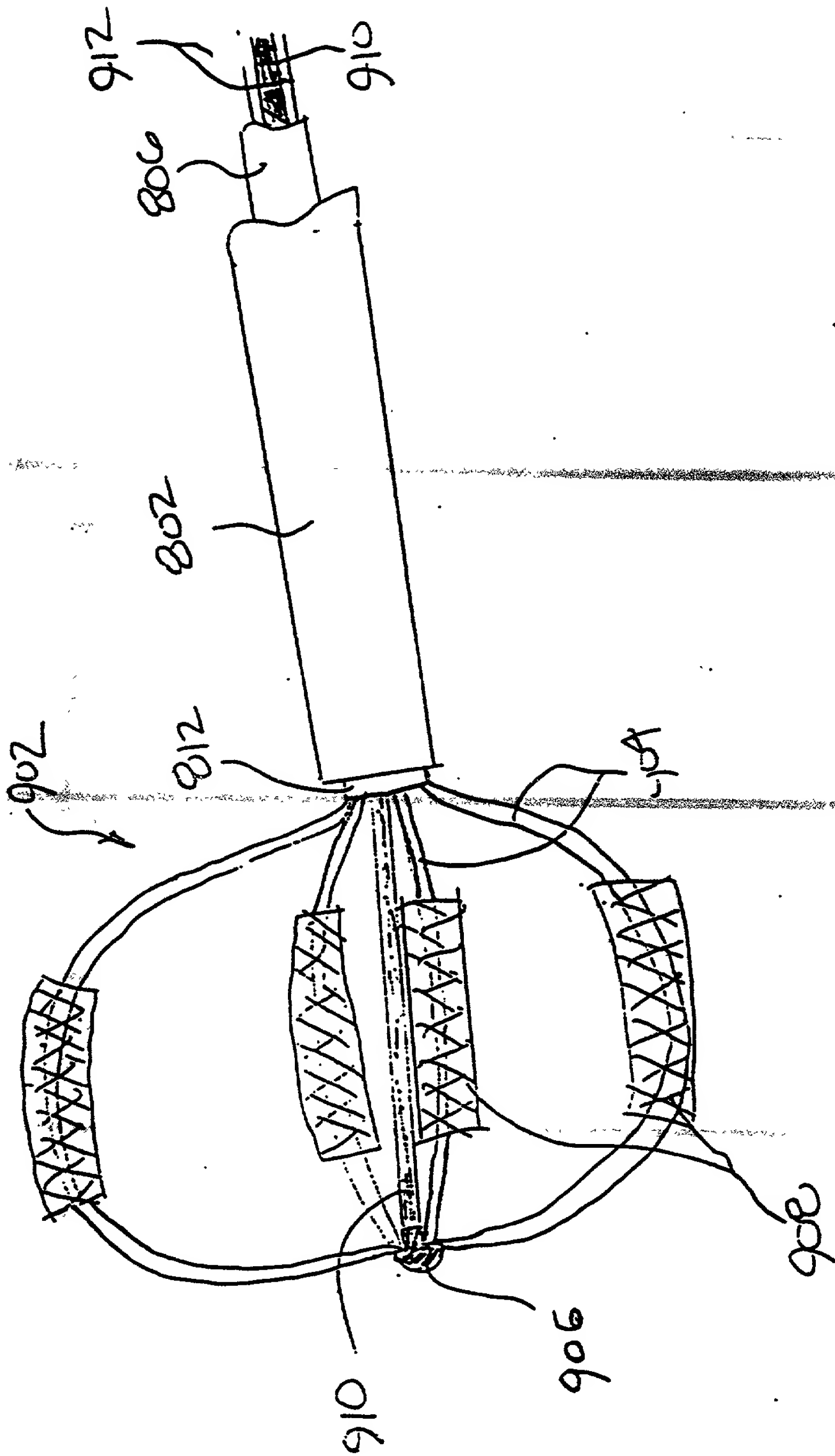
FIG. 45



18

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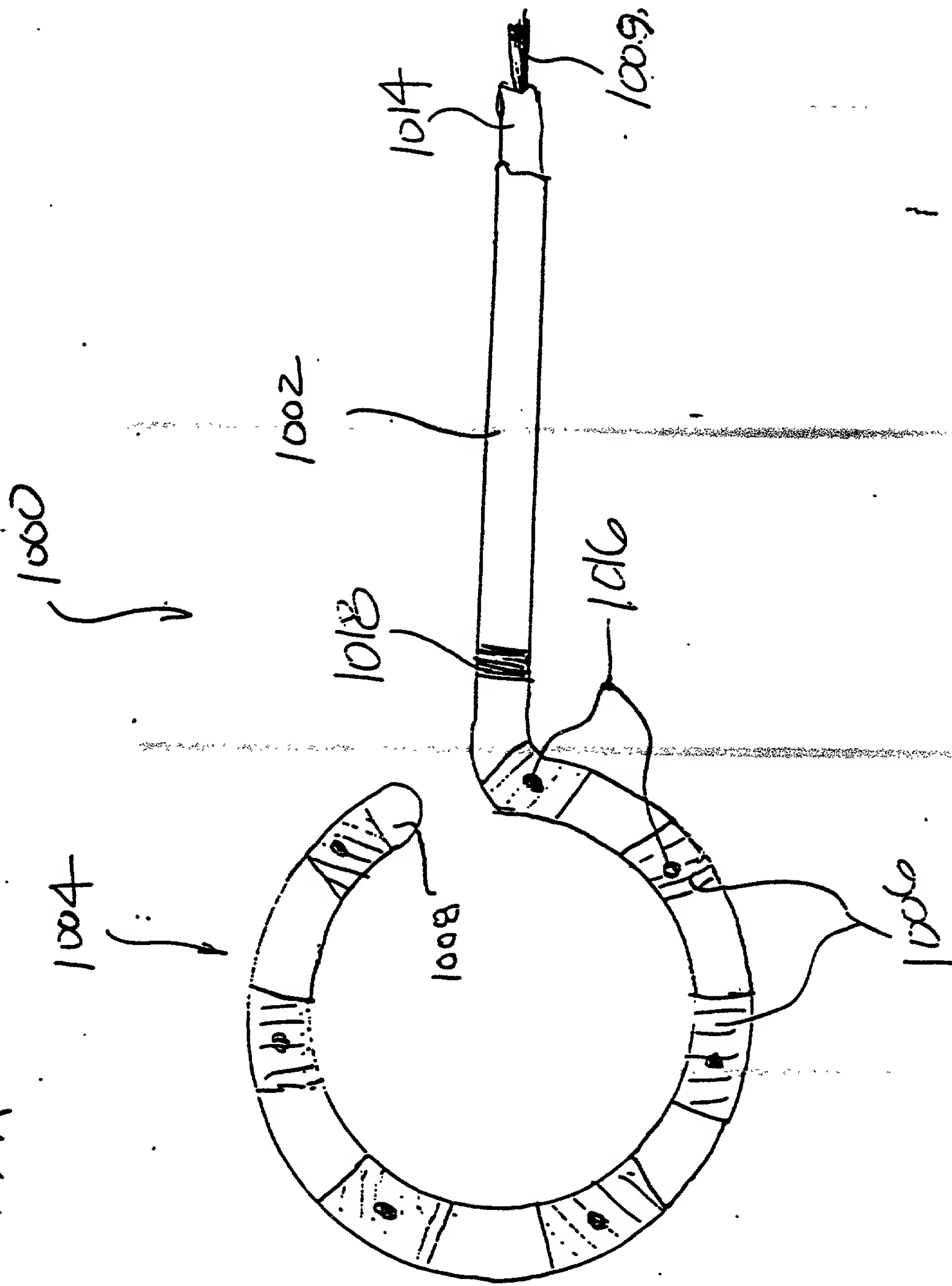
FIG. 46



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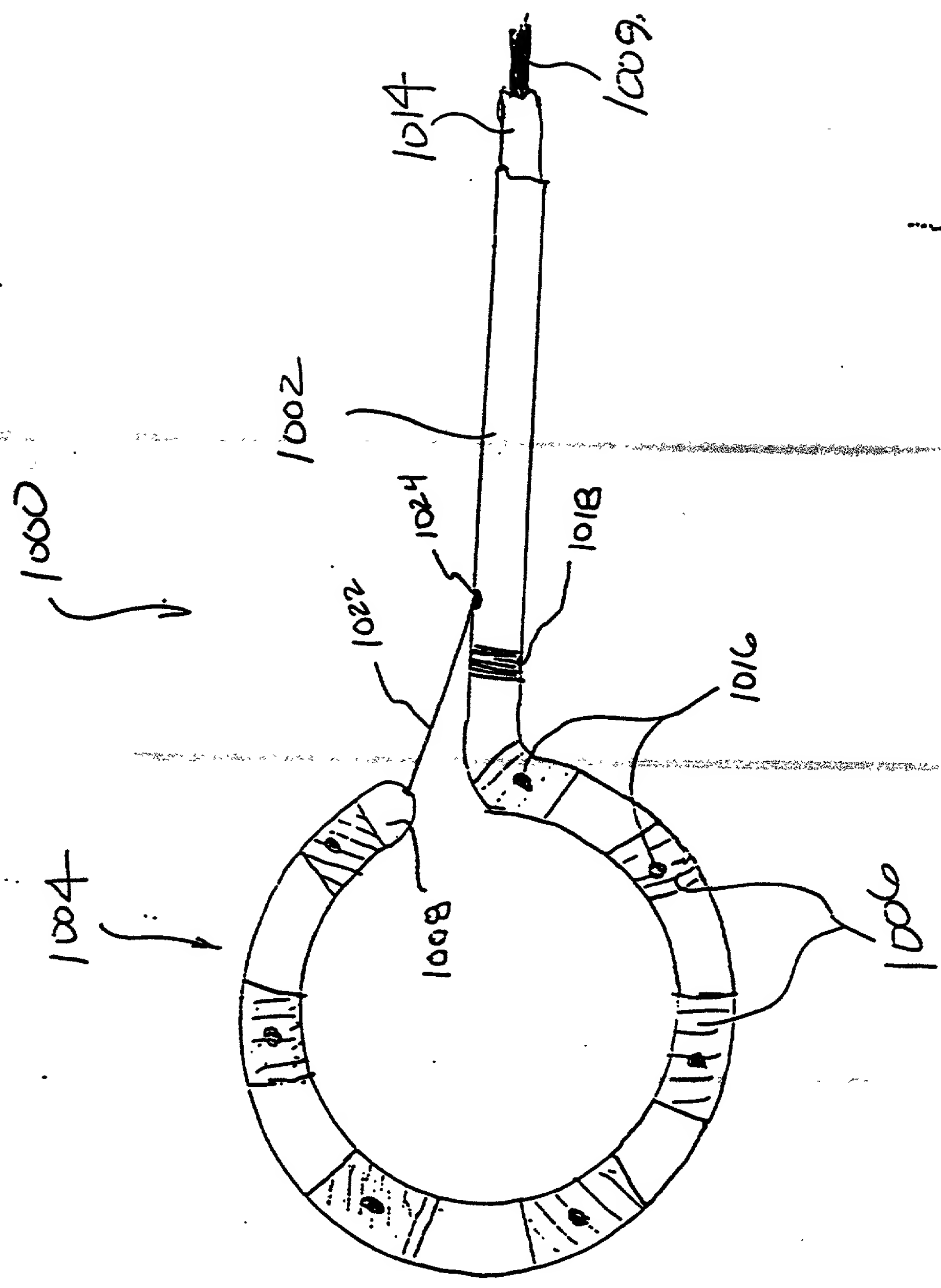
FIG. 47A



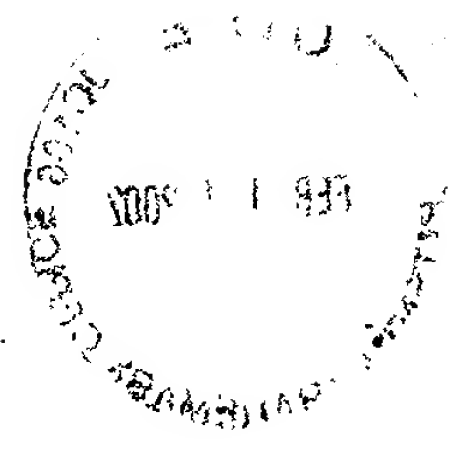
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FIG. 47B

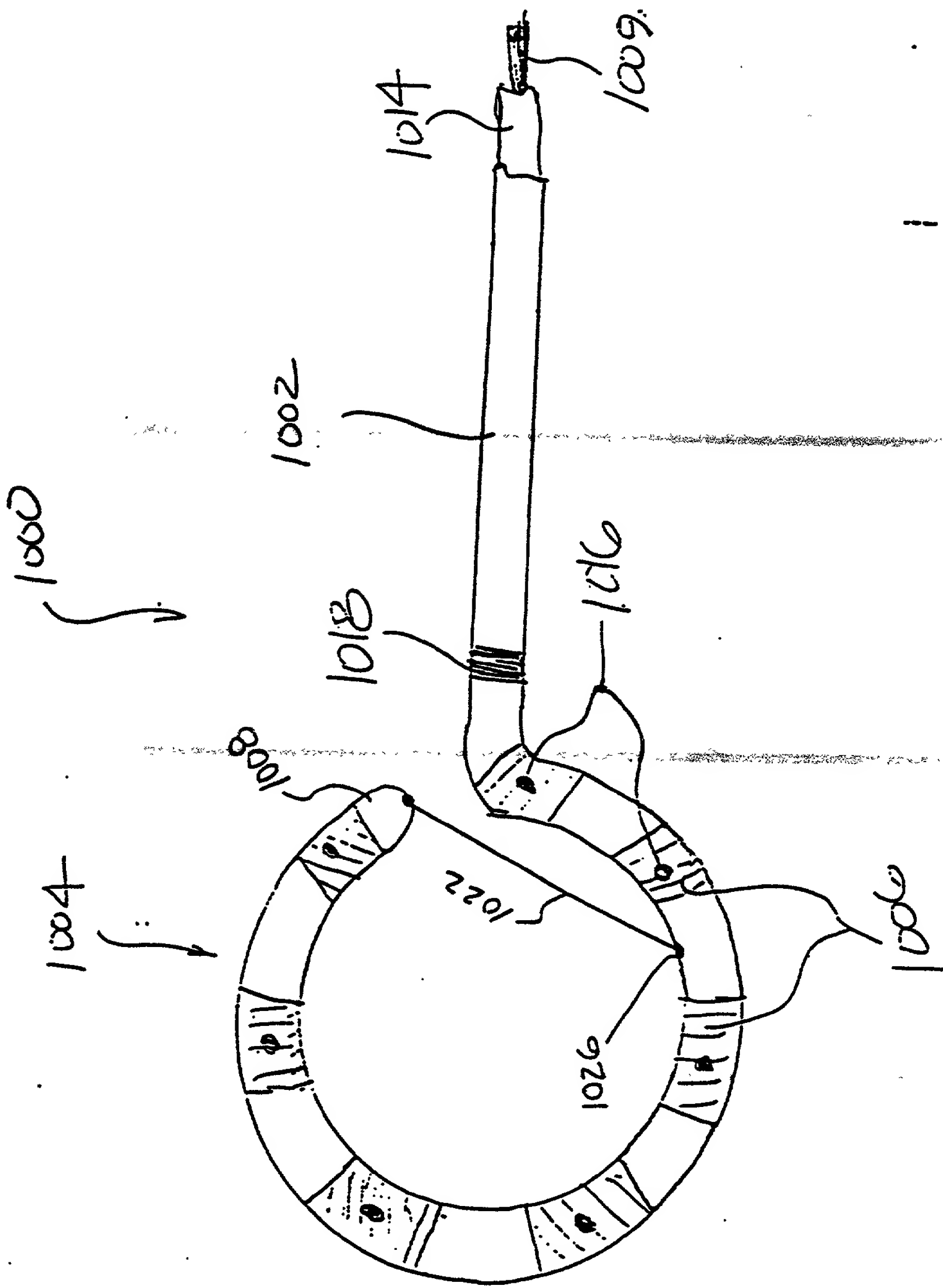


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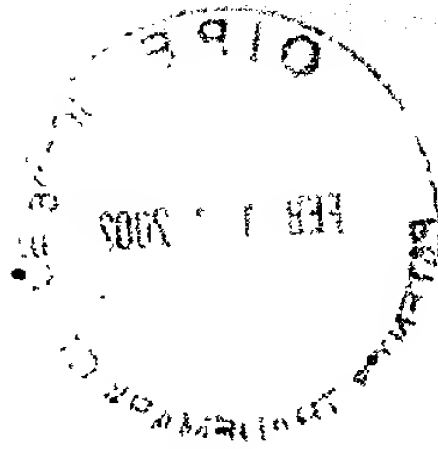


| Country | Year | Population (millions) | Urban population (millions) | Urban population (%) | Population density (per sq km) | Urban population density (per sq km) | Population growth rate (%) | Urban population growth rate (%) | Population growth rate (%) | Urban population growth rate (%) | Population growth rate (%) | Urban population growth rate (%) |
|---------|------|-----------------------|-----------------------------|----------------------|--------------------------------|--------------------------------------|----------------------------|----------------------------------|----------------------------|----------------------------------|----------------------------|----------------------------------|
| Algeria | 1980 | 11.0 | 4.0 | 36.4 | 10.0 | 10.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 1985 | 11.5 | 4.5 | 39.1 | 10.5 | 10.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 1990 | 12.0 | 5.0 | 41.7 | 11.0 | 11.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 1995 | 12.5 | 5.5 | 44.0 | 11.5 | 11.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2000 | 13.0 | 6.0 | 46.2 | 12.0 | 12.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2005 | 13.5 | 6.5 | 48.1 | 12.5 | 12.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2010 | 14.0 | 7.0 | 50.0 | 13.0 | 13.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2015 | 14.5 | 7.5 | 51.7 | 13.5 | 13.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2020 | 15.0 | 8.0 | 53.3 | 14.0 | 14.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2025 | 15.5 | 8.5 | 54.8 | 14.5 | 14.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2030 | 16.0 | 9.0 | 56.3 | 15.0 | 15.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2035 | 16.5 | 9.5 | 57.6 | 15.5 | 15.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2040 | 17.0 | 10.0 | 58.8 | 16.0 | 16.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2045 | 17.5 | 10.5 | 60.0 | 16.5 | 16.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2050 | 18.0 | 11.0 | 61.1 | 17.0 | 17.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2055 | 18.5 | 11.5 | 62.2 | 17.5 | 17.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2060 | 19.0 | 12.0 | 63.2 | 18.0 | 18.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2065 | 19.5 | 12.5 | 64.1 | 18.5 | 18.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2070 | 20.0 | 13.0 | 65.0 | 19.0 | 19.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2075 | 20.5 | 13.5 | 65.9 | 19.5 | 19.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2080 | 21.0 | 14.0 | 66.7 | 20.0 | 20.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2085 | 21.5 | 14.5 | 67.4 | 20.5 | 20.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2090 | 22.0 | 15.0 | 68.2 | 21.0 | 21.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2095 | 22.5 | 15.5 | 68.9 | 21.5 | 21.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2100 | 23.0 | 16.0 | 69.6 | 22.0 | 22.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2105 | 23.5 | 16.5 | 70.2 | 22.5 | 22.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2110 | 24.0 | 17.0 | 70.8 | 23.0 | 23.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2115 | 24.5 | 17.5 | 71.4 | 23.5 | 23.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2120 | 25.0 | 18.0 | 72.0 | 24.0 | 24.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2125 | 25.5 | 18.5 | 72.6 | 24.5 | 24.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Algeria | 2130 | 26.0 | 19.0 | 73.1 | | | | | | | | |

FIG. 47C

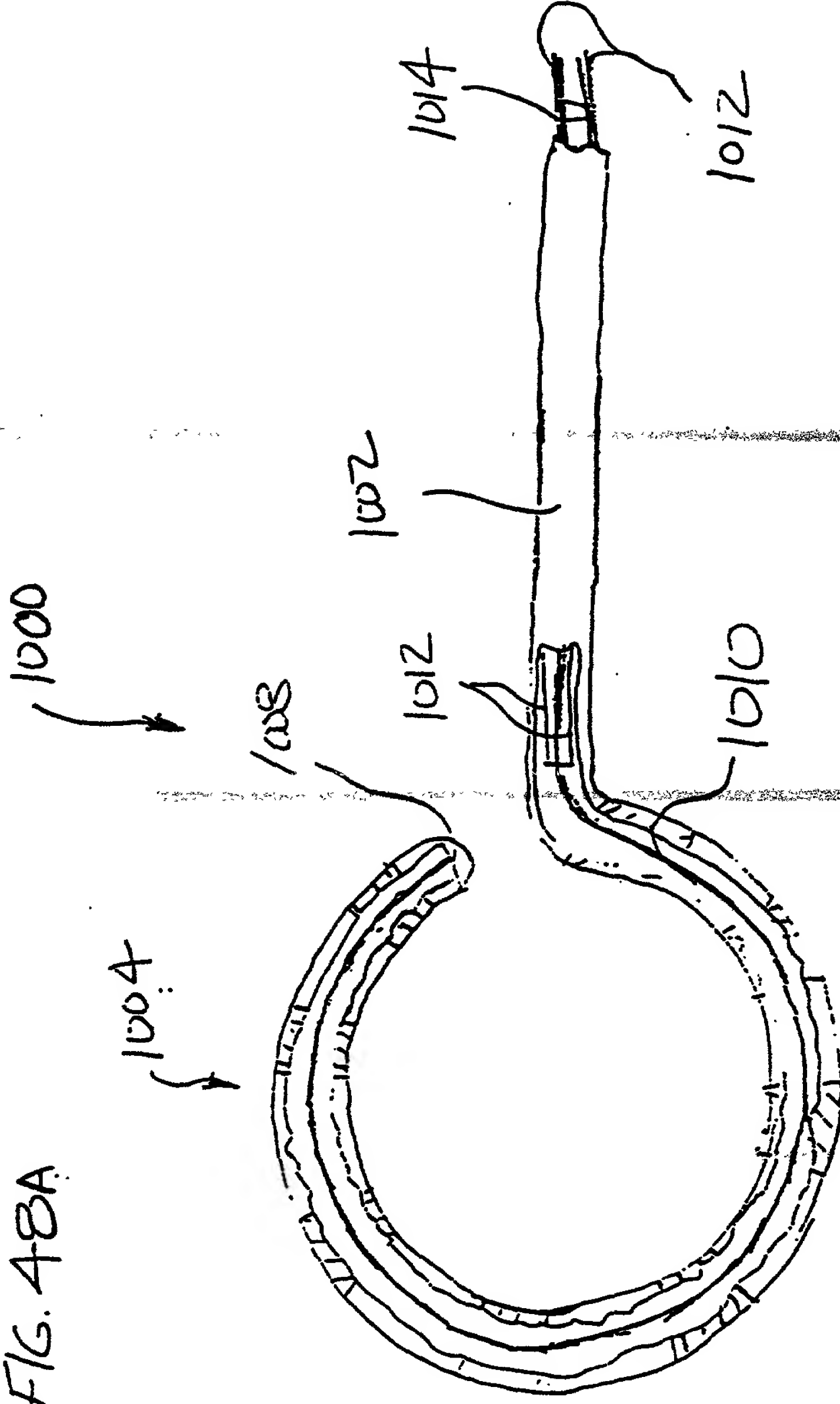


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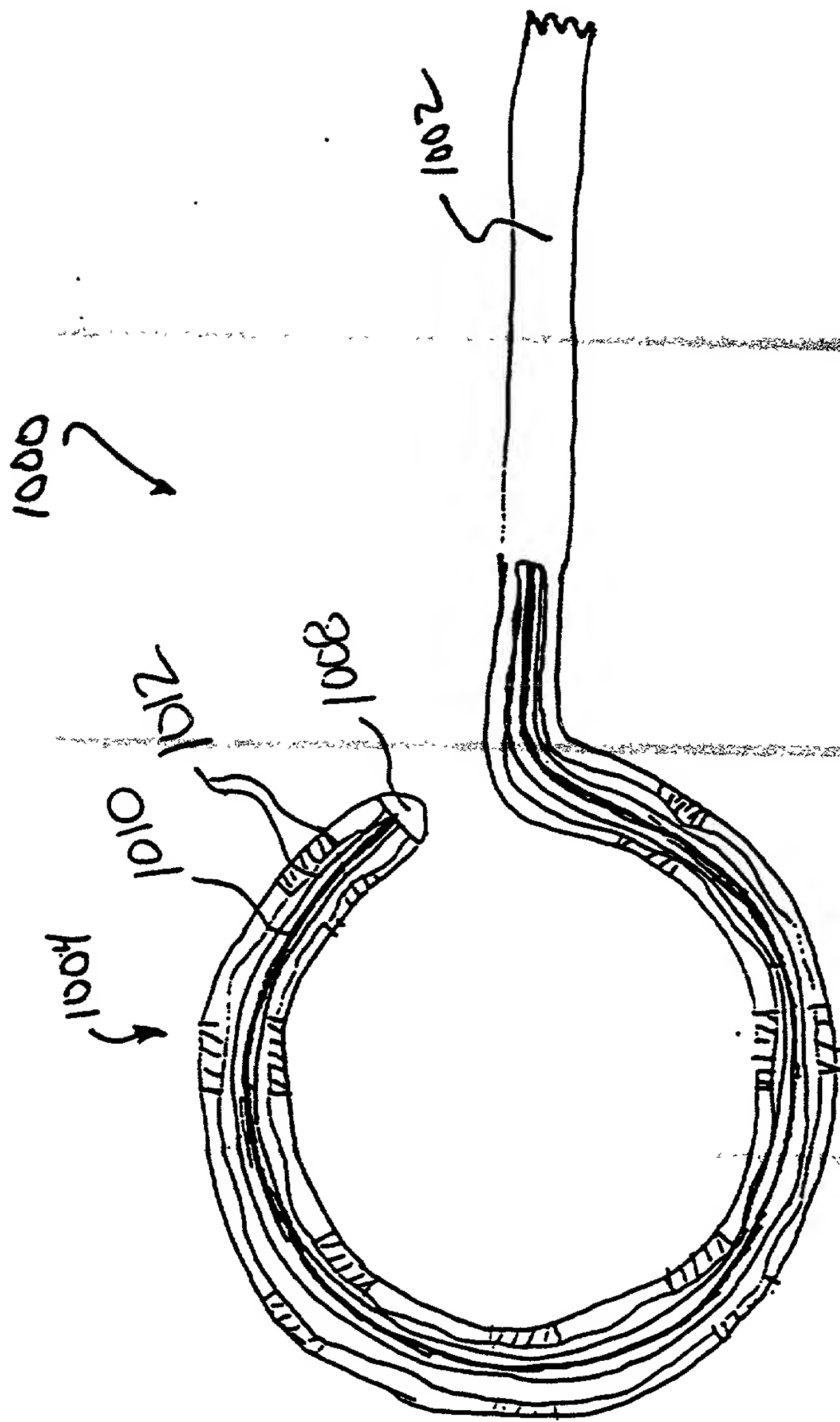
FIG. 48A



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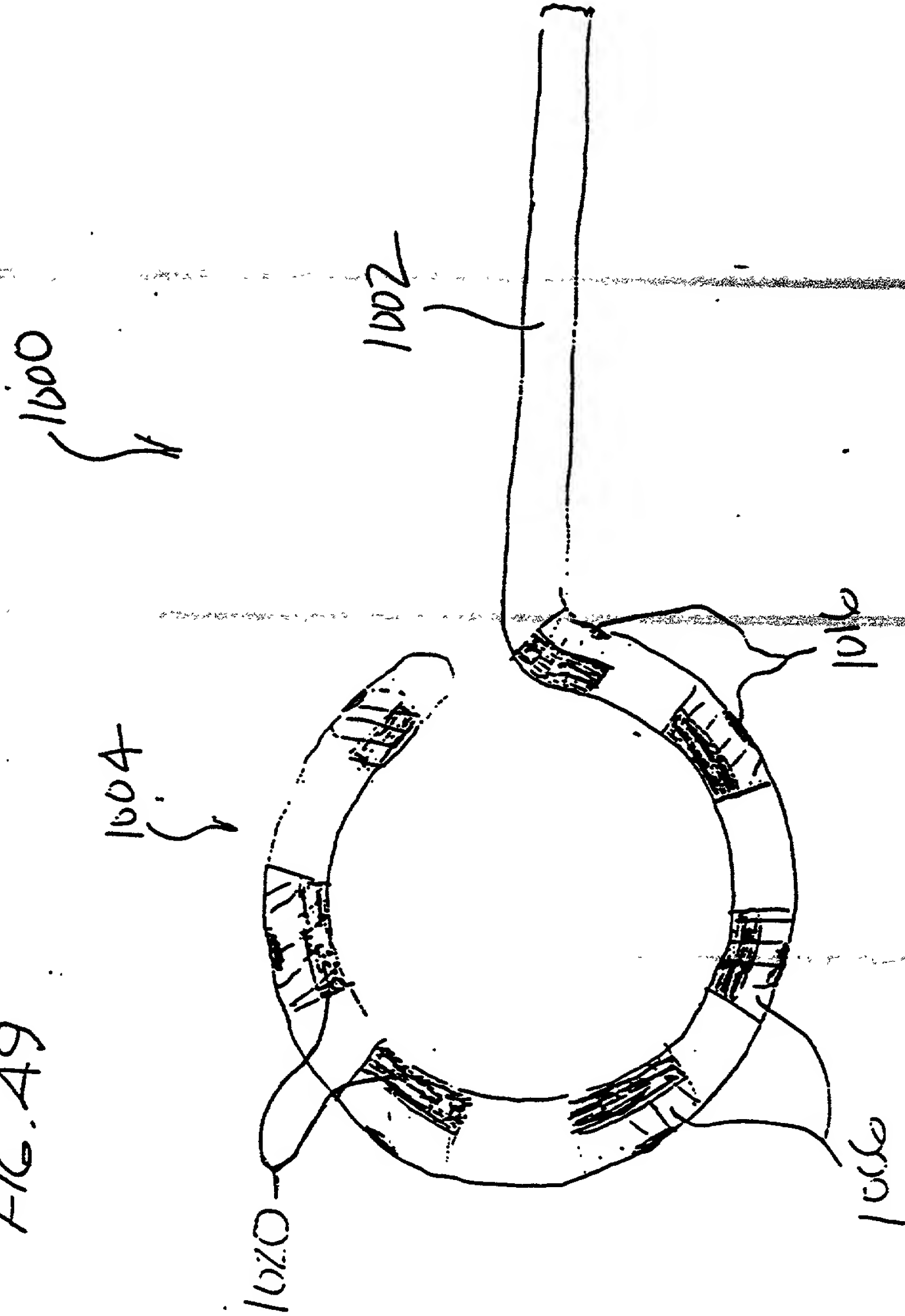
76,48 B



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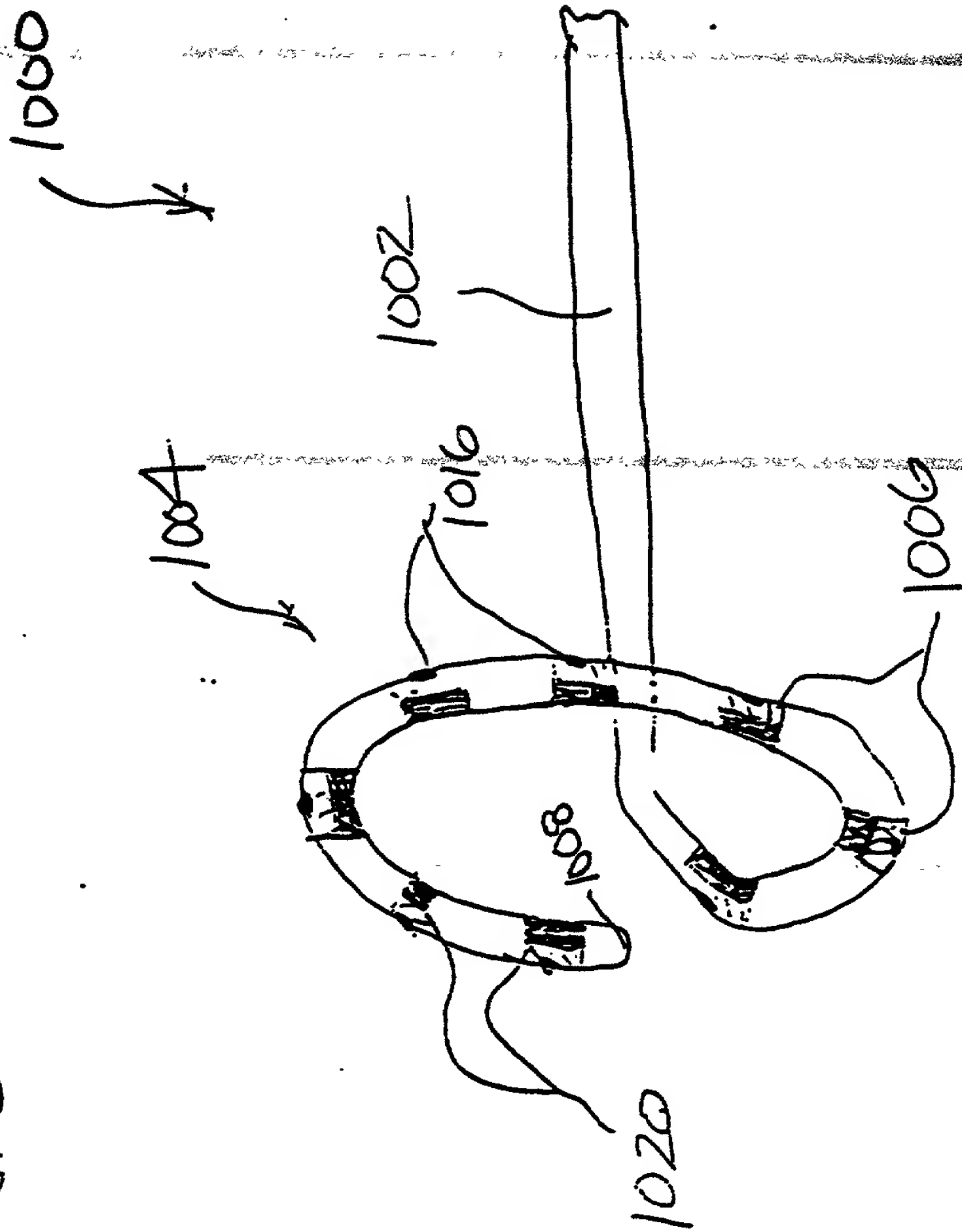
FIG. 49



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FIG. 50



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FIG. 51

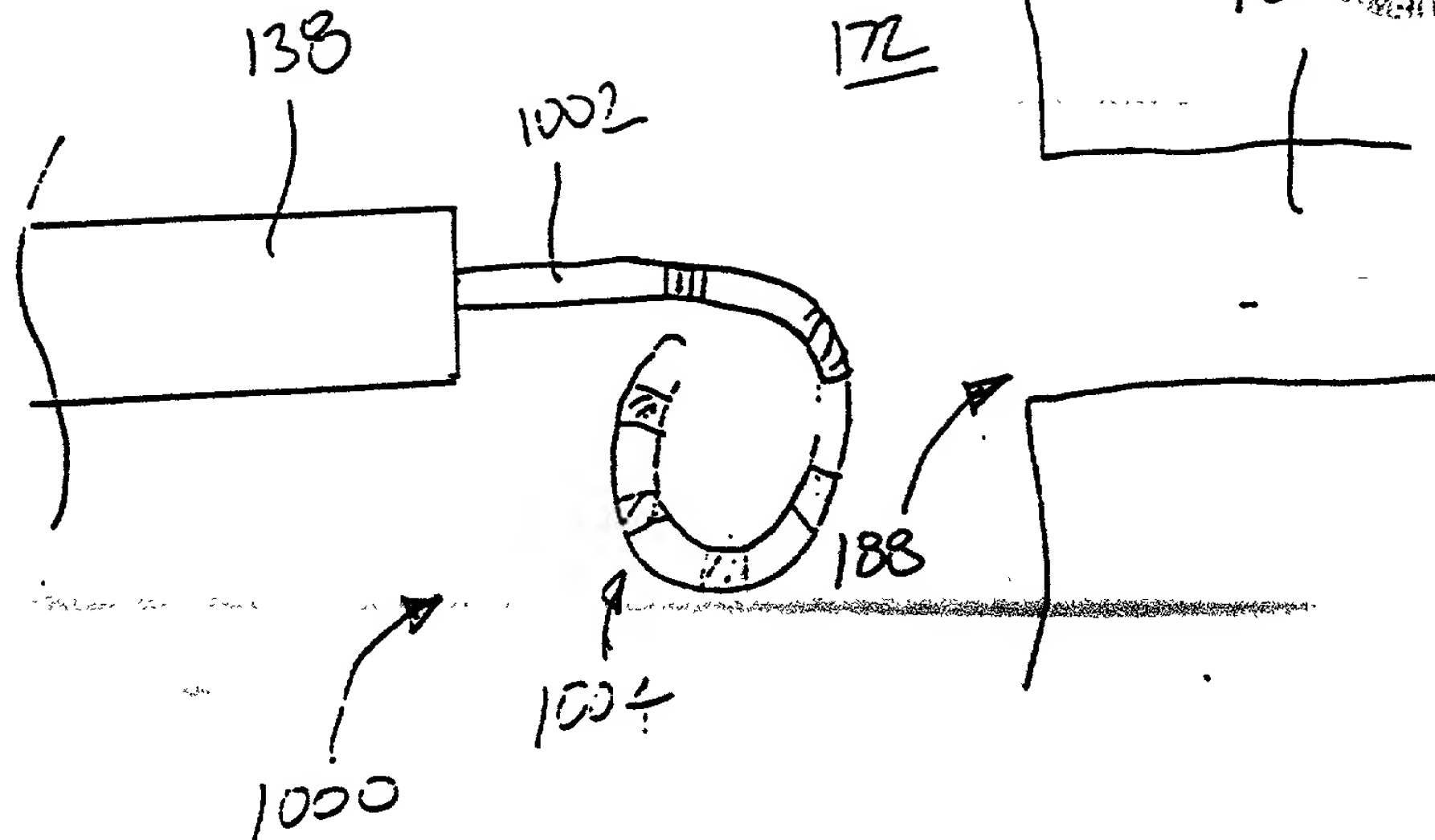
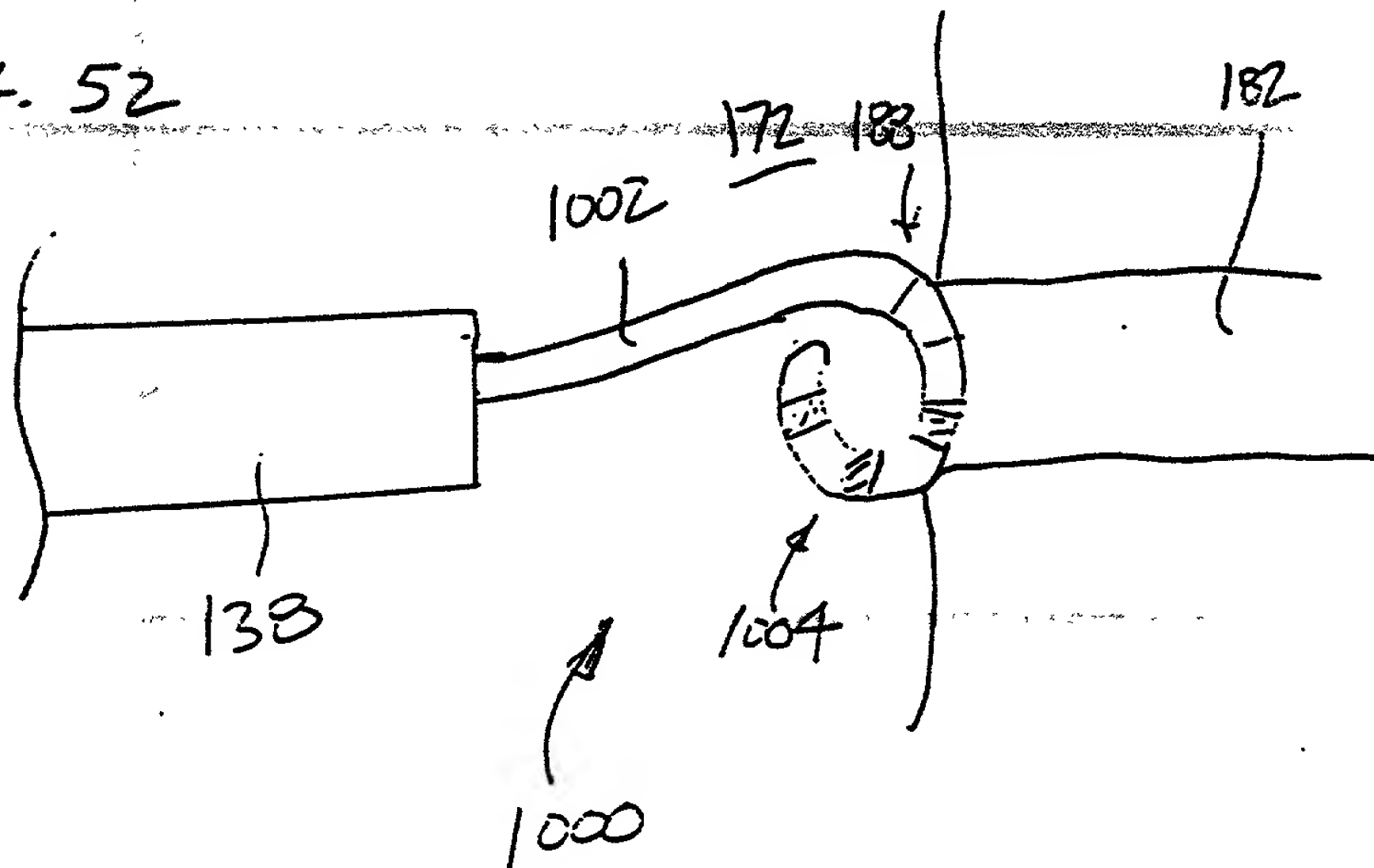


FIG. 52



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PATENT & TRADEMARK OFFICE

FIG. 53

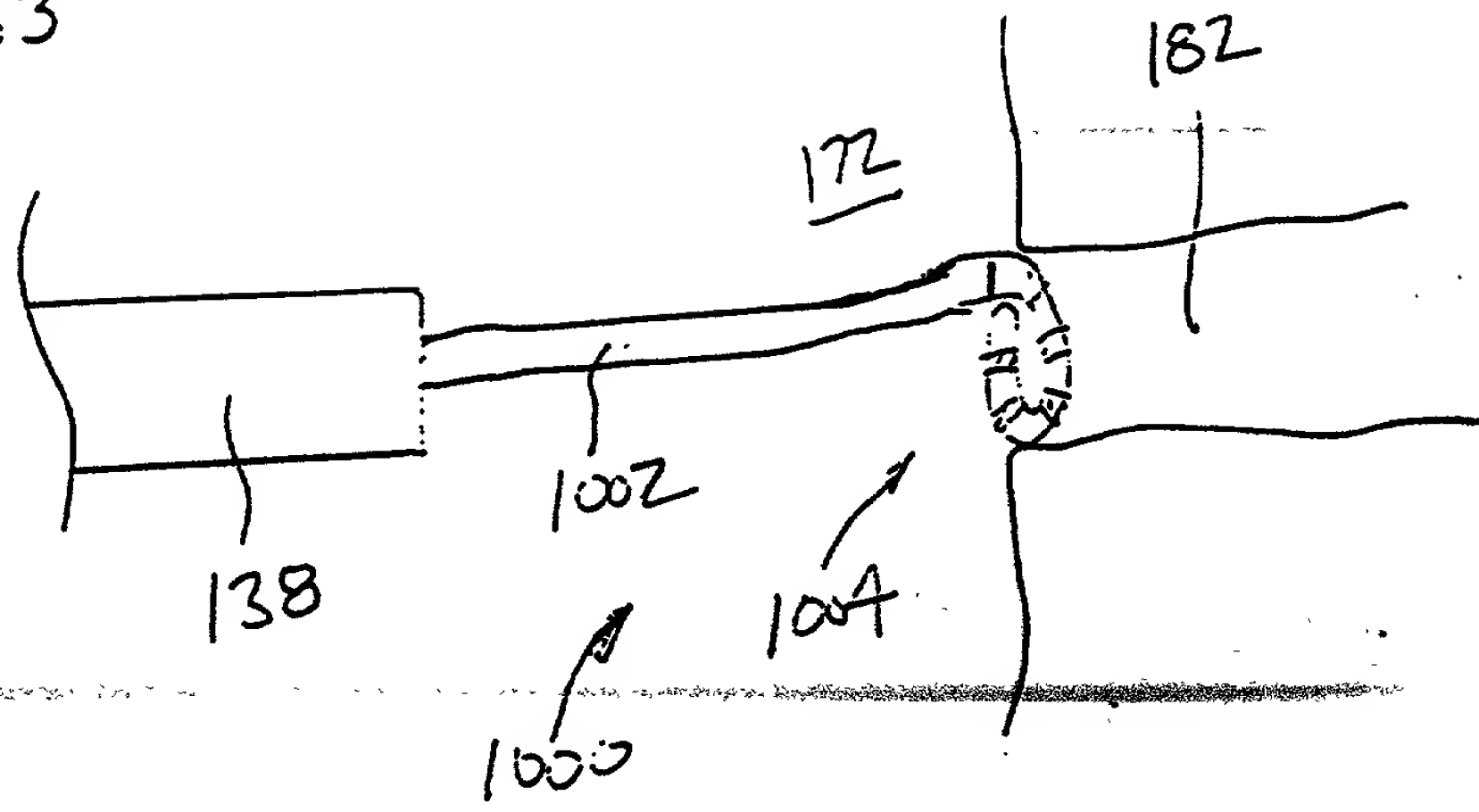
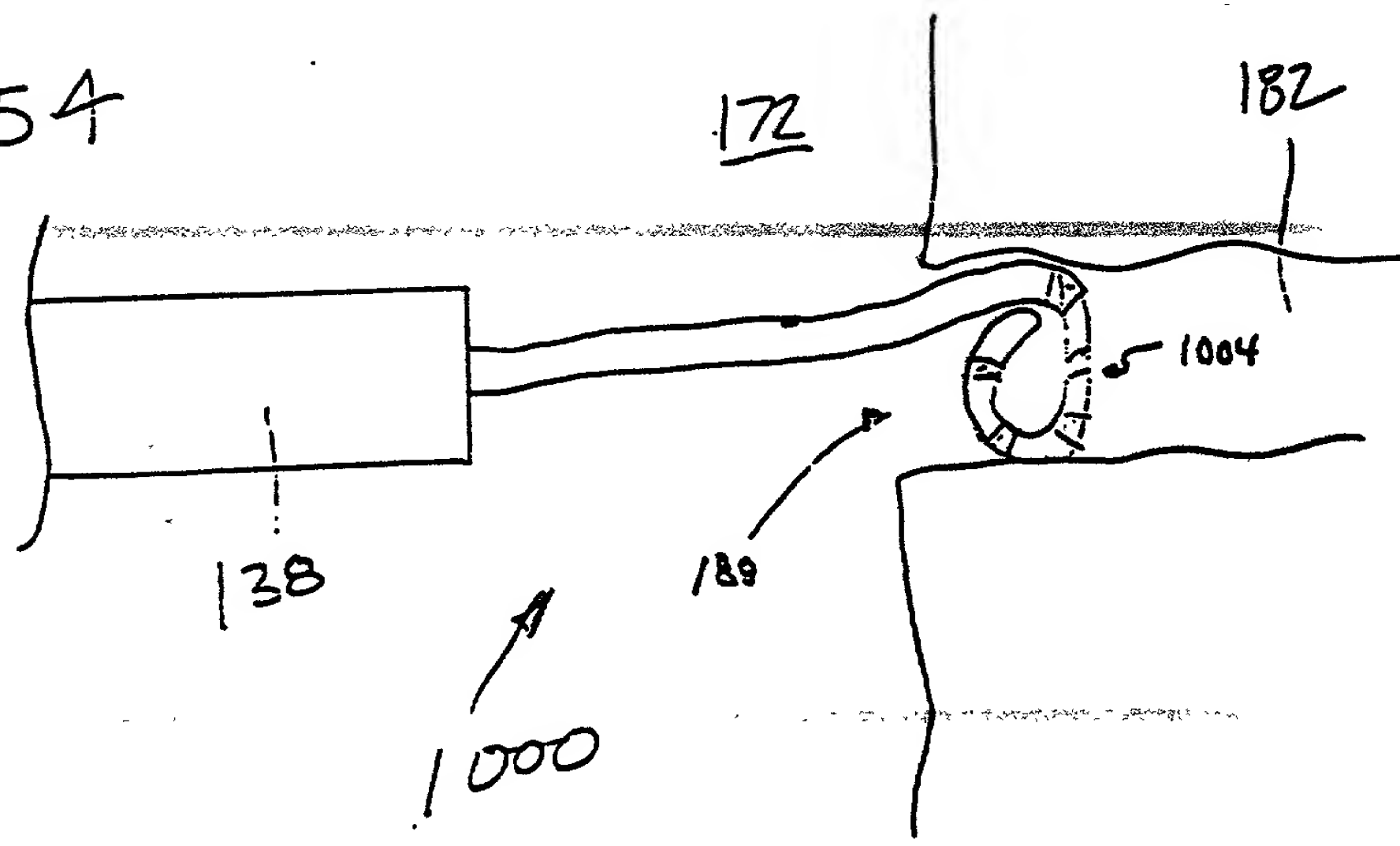
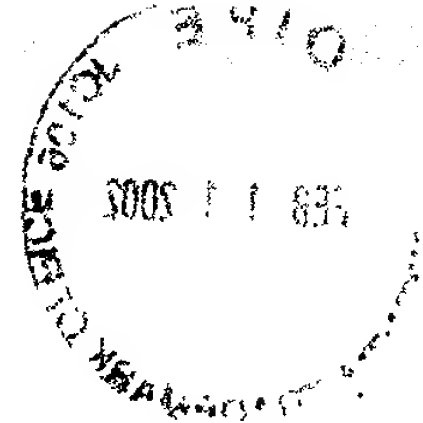
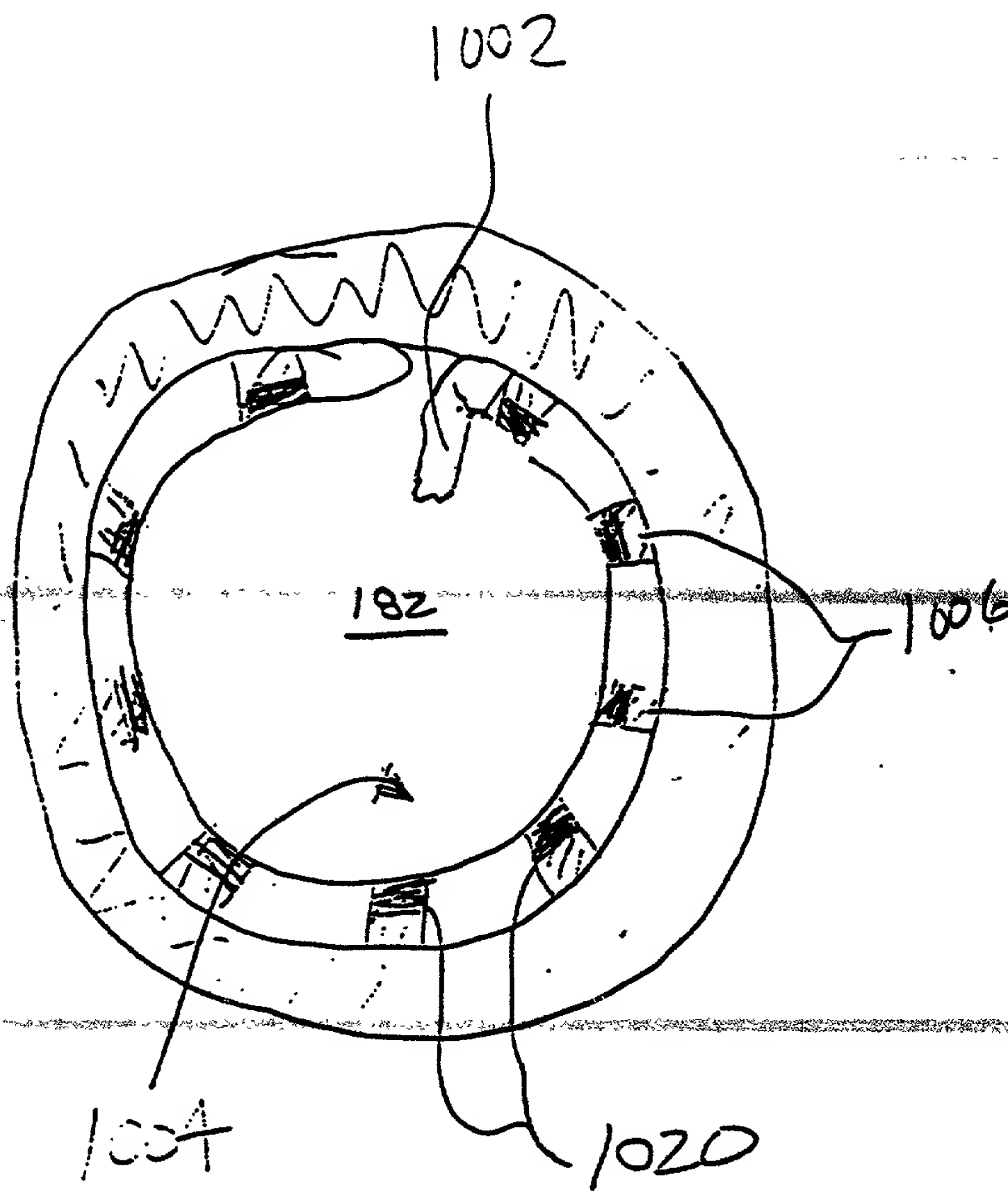


FIG. 54



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FIG. 55



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U.S. PATENT & TRADEMARK OFFICE

FIG 56

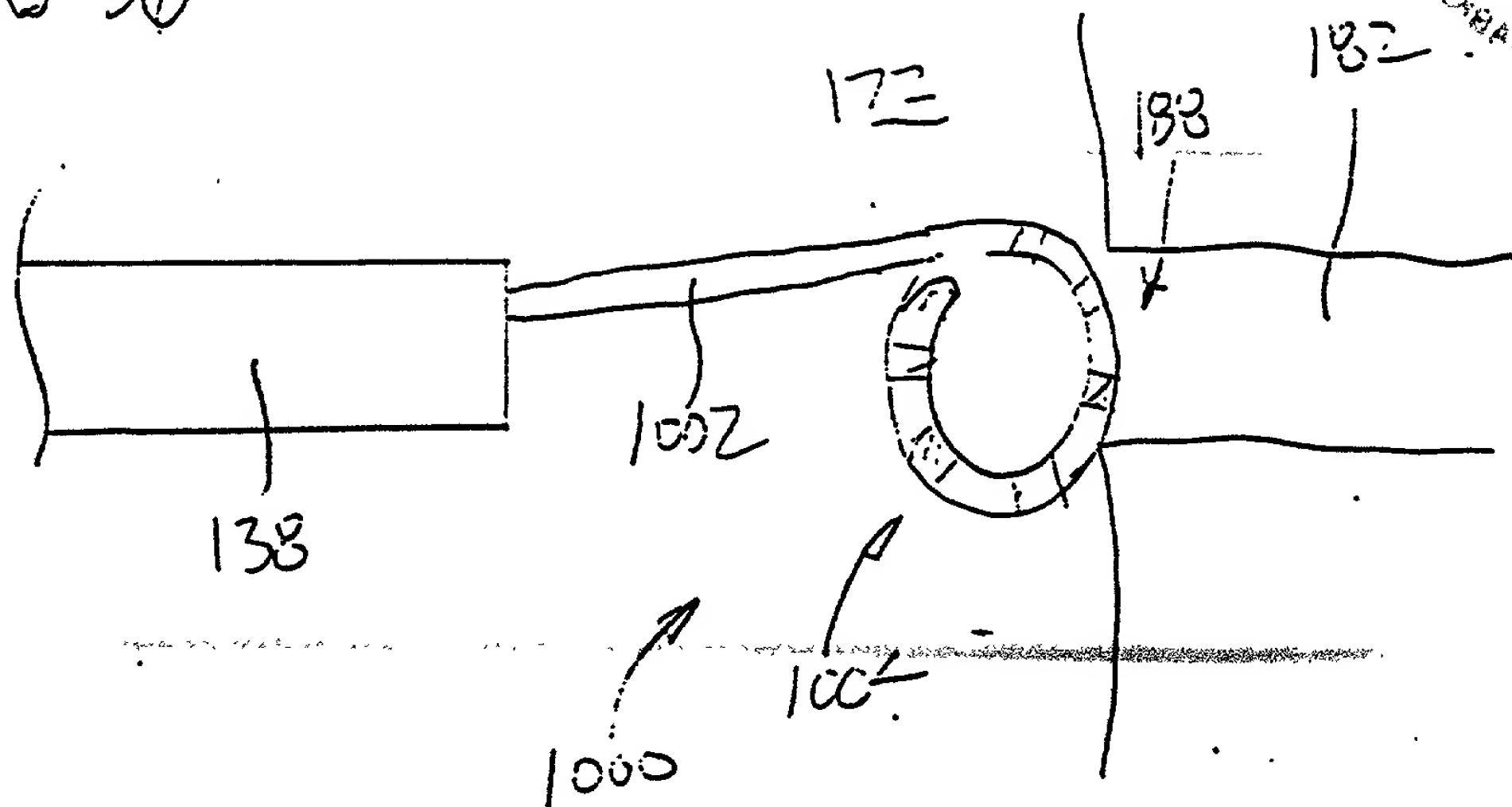
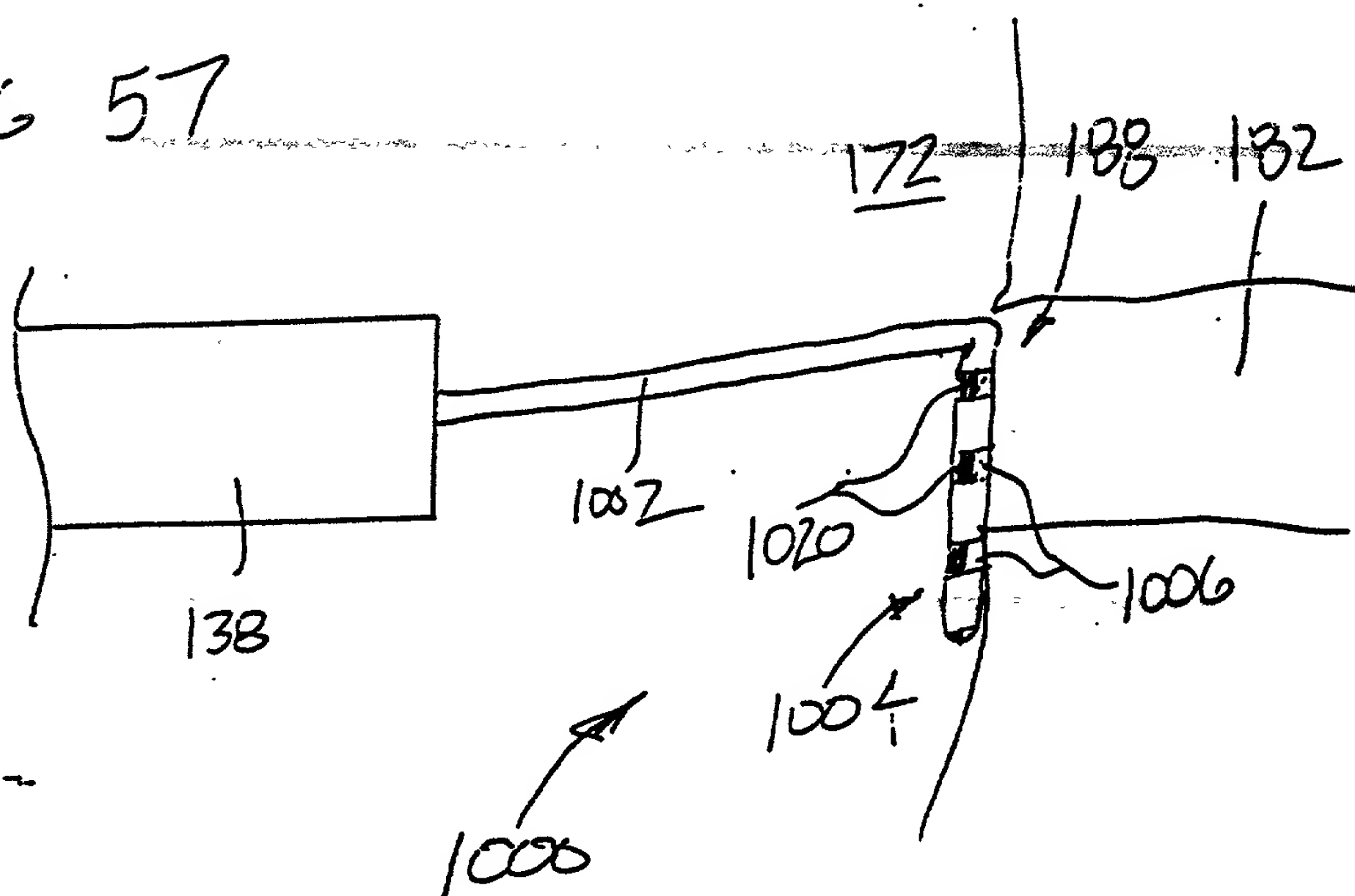


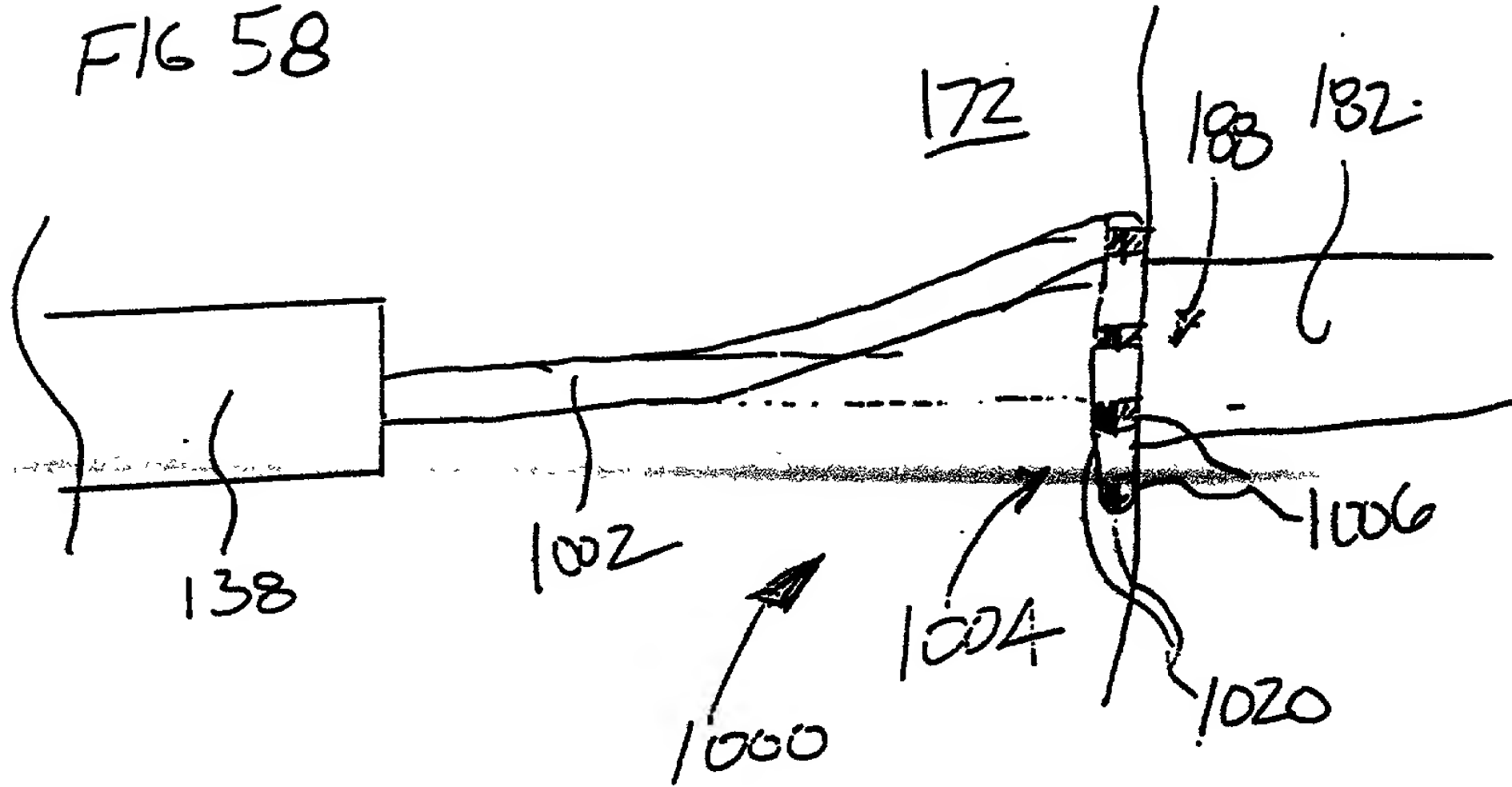
FIG 57



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300 1 1 1

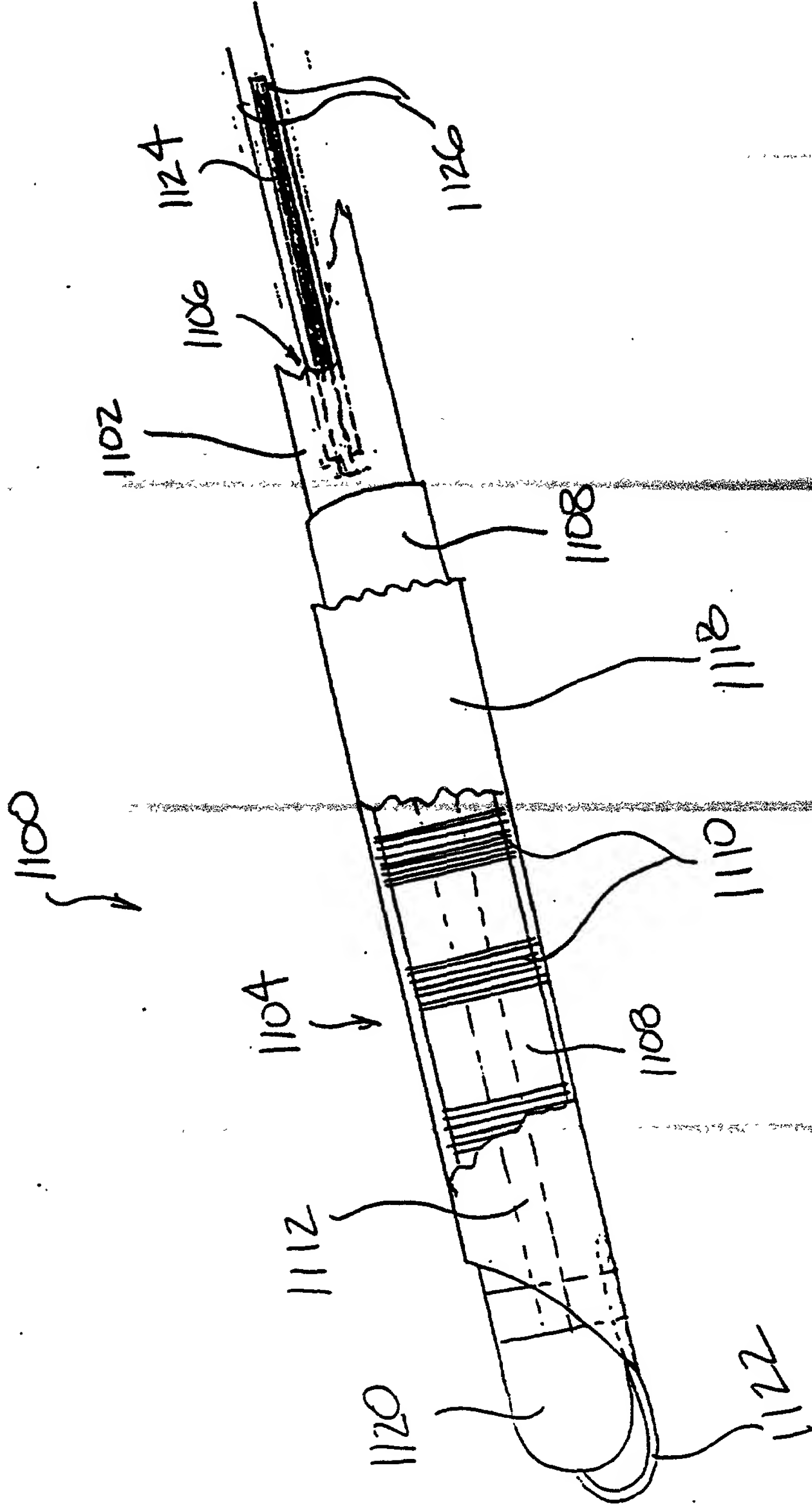
FIG 58



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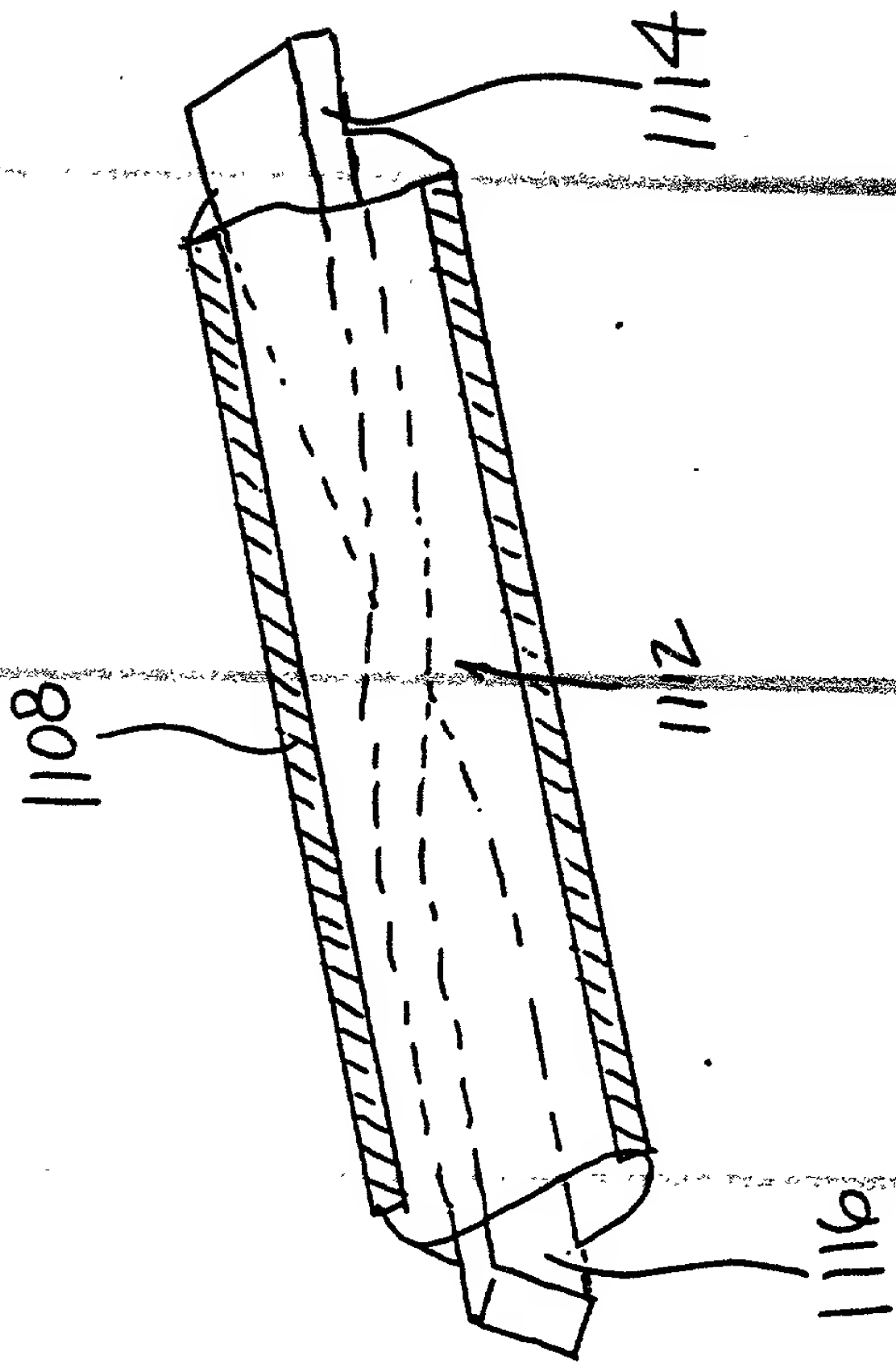
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FIG. 59



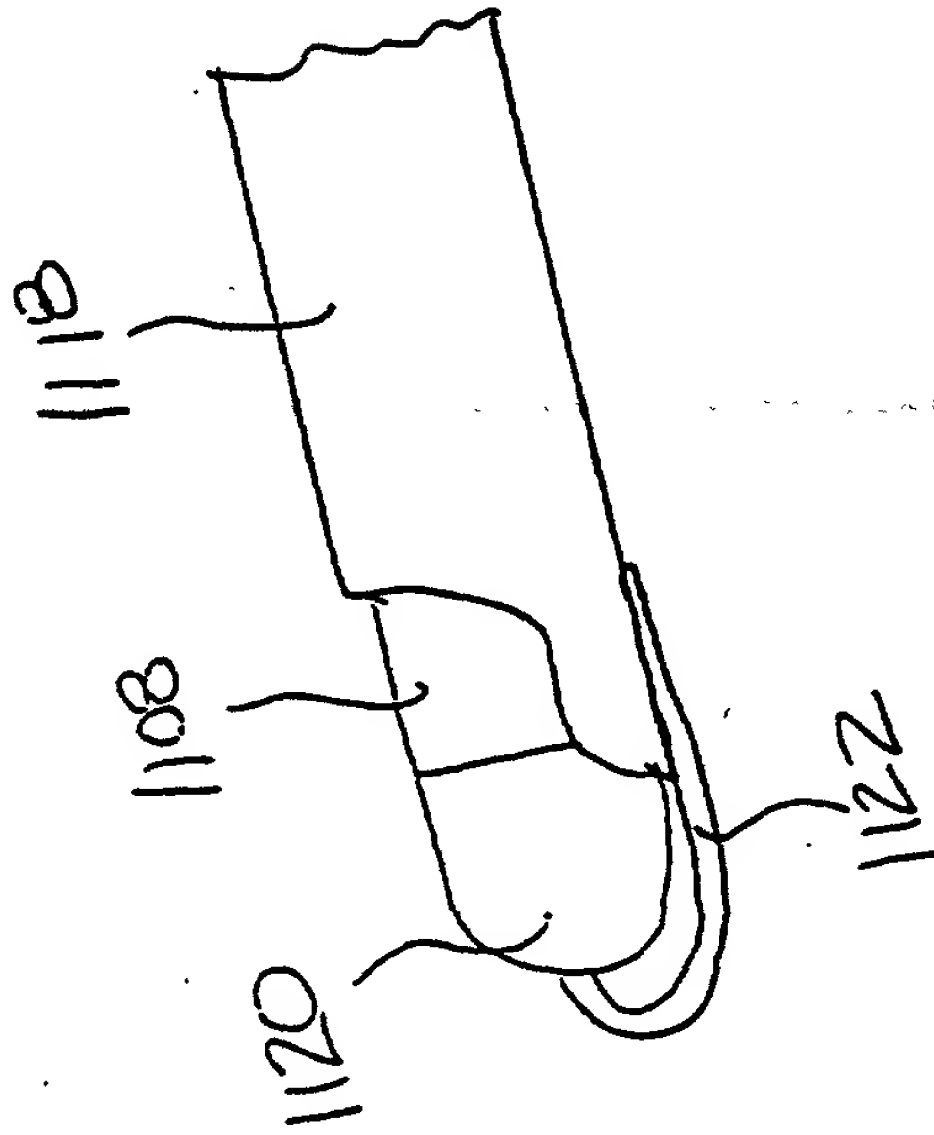
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FIG. 60



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FIG. 61

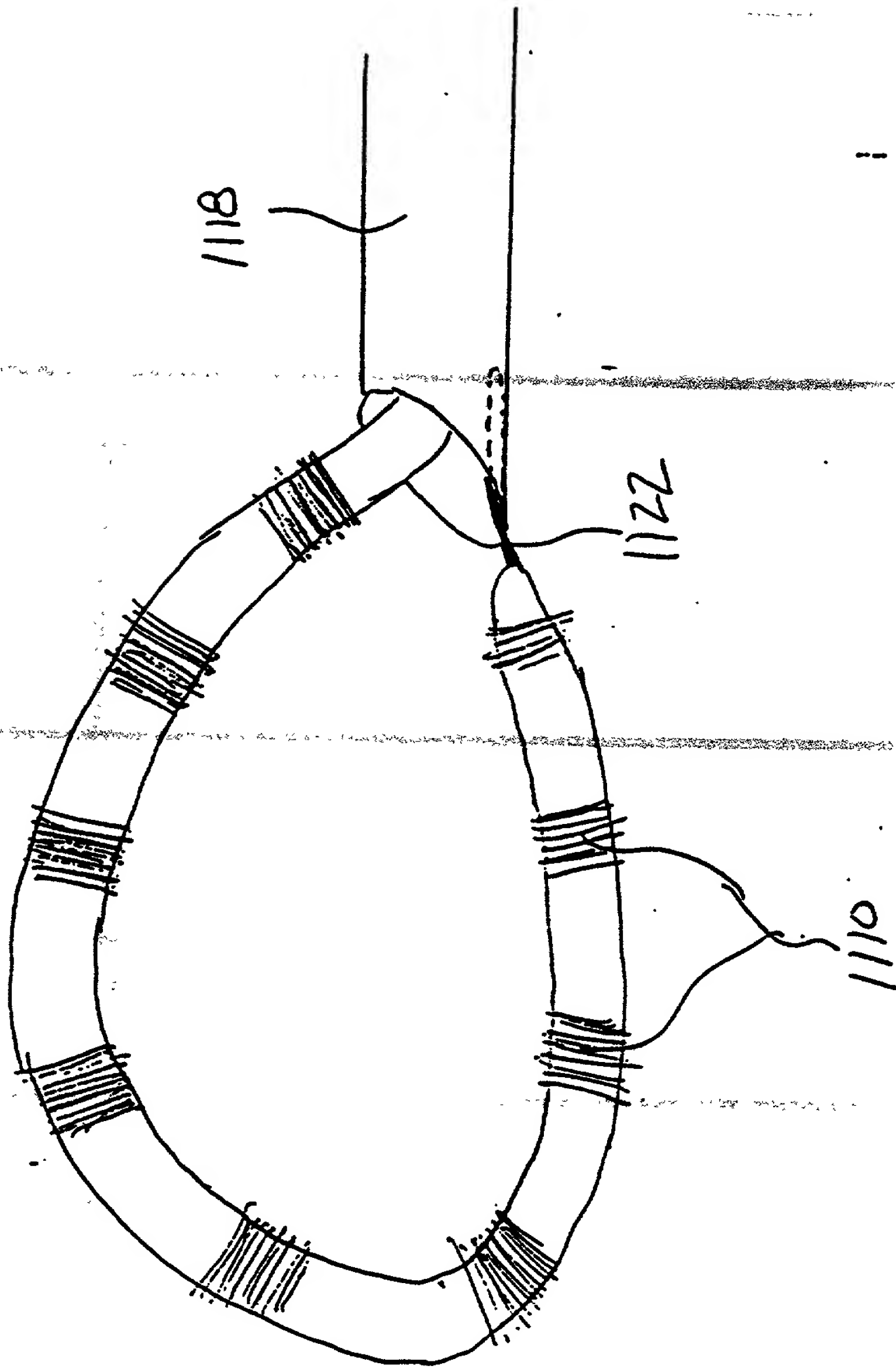


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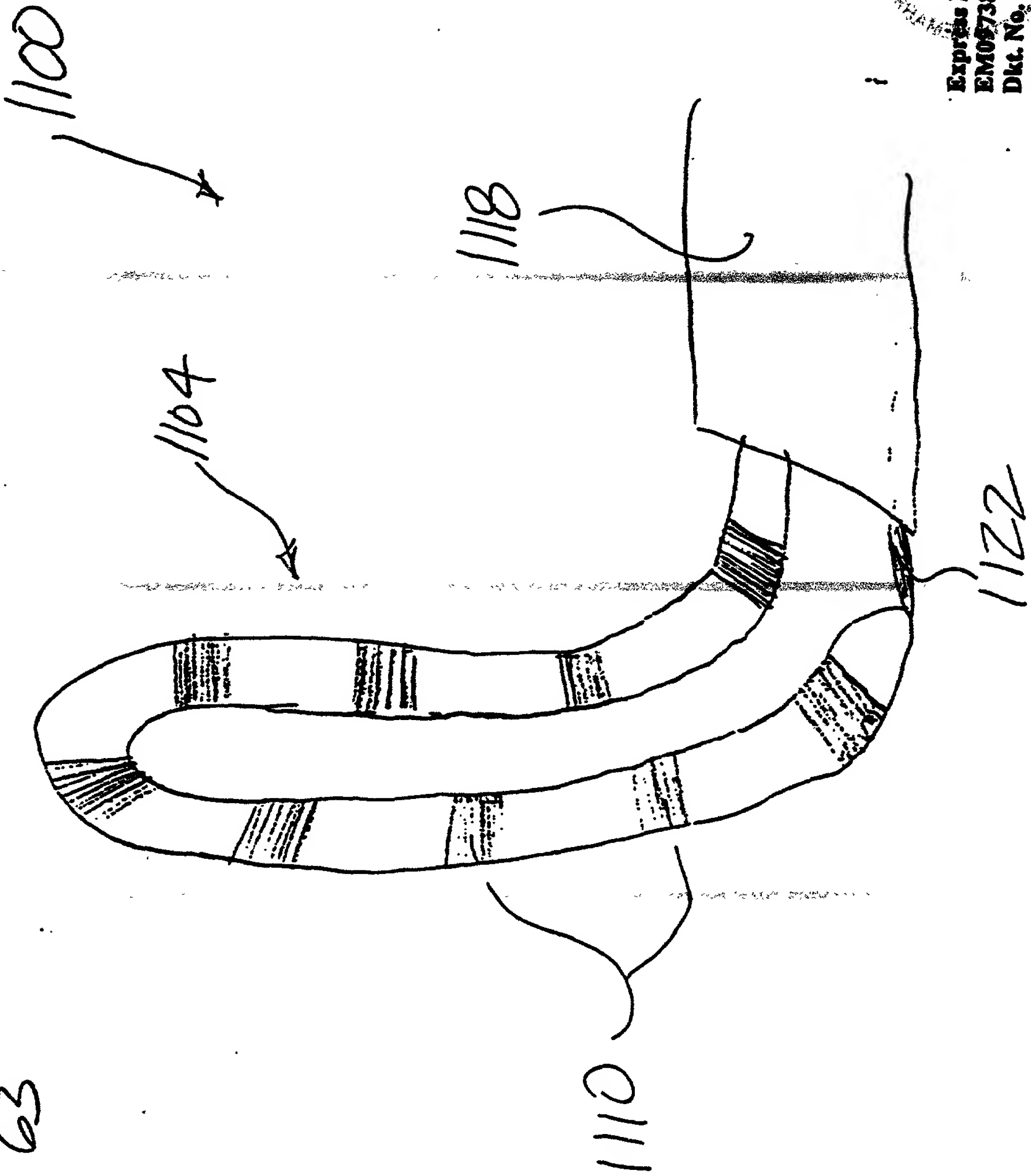
FIG. 62

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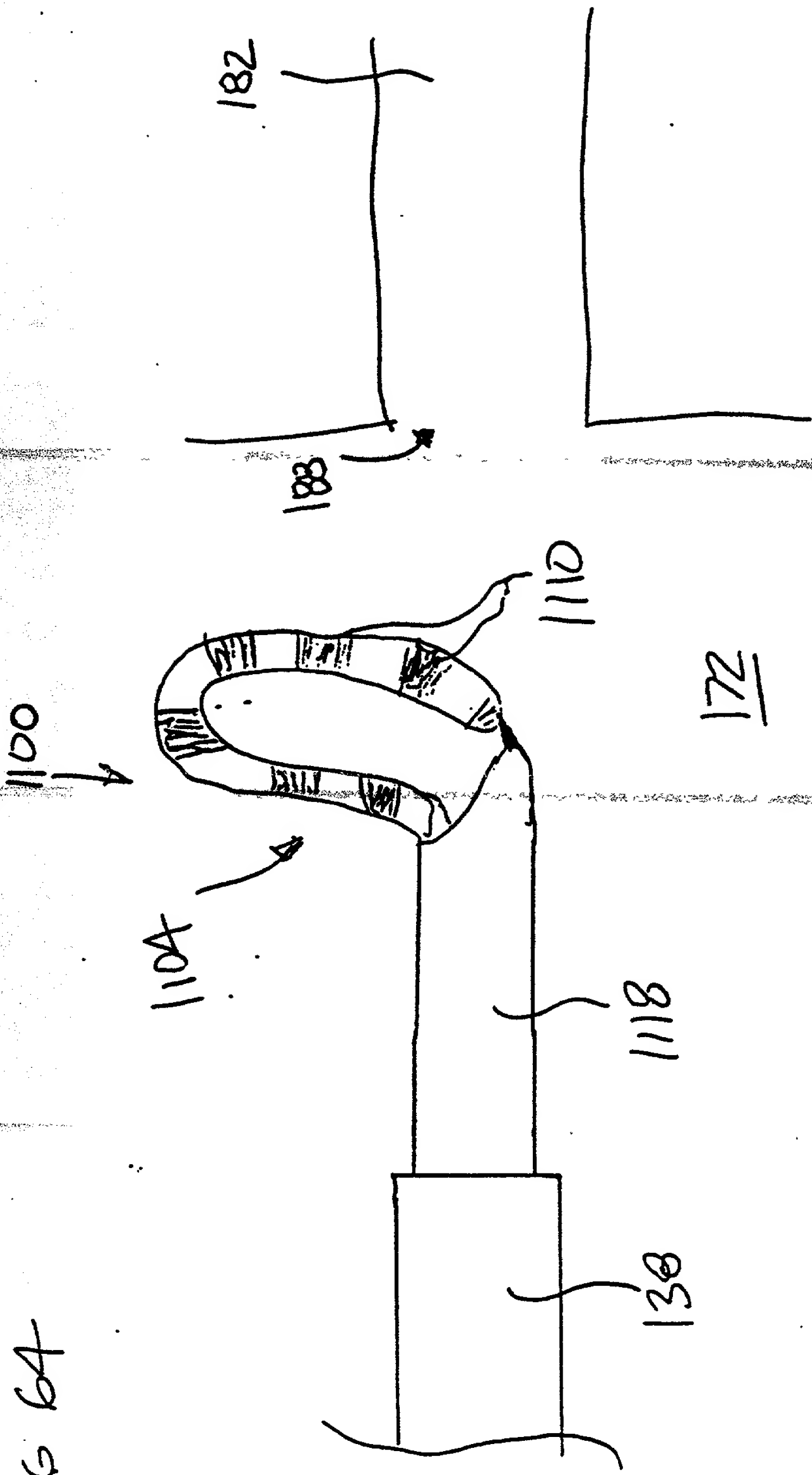
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FIG 63

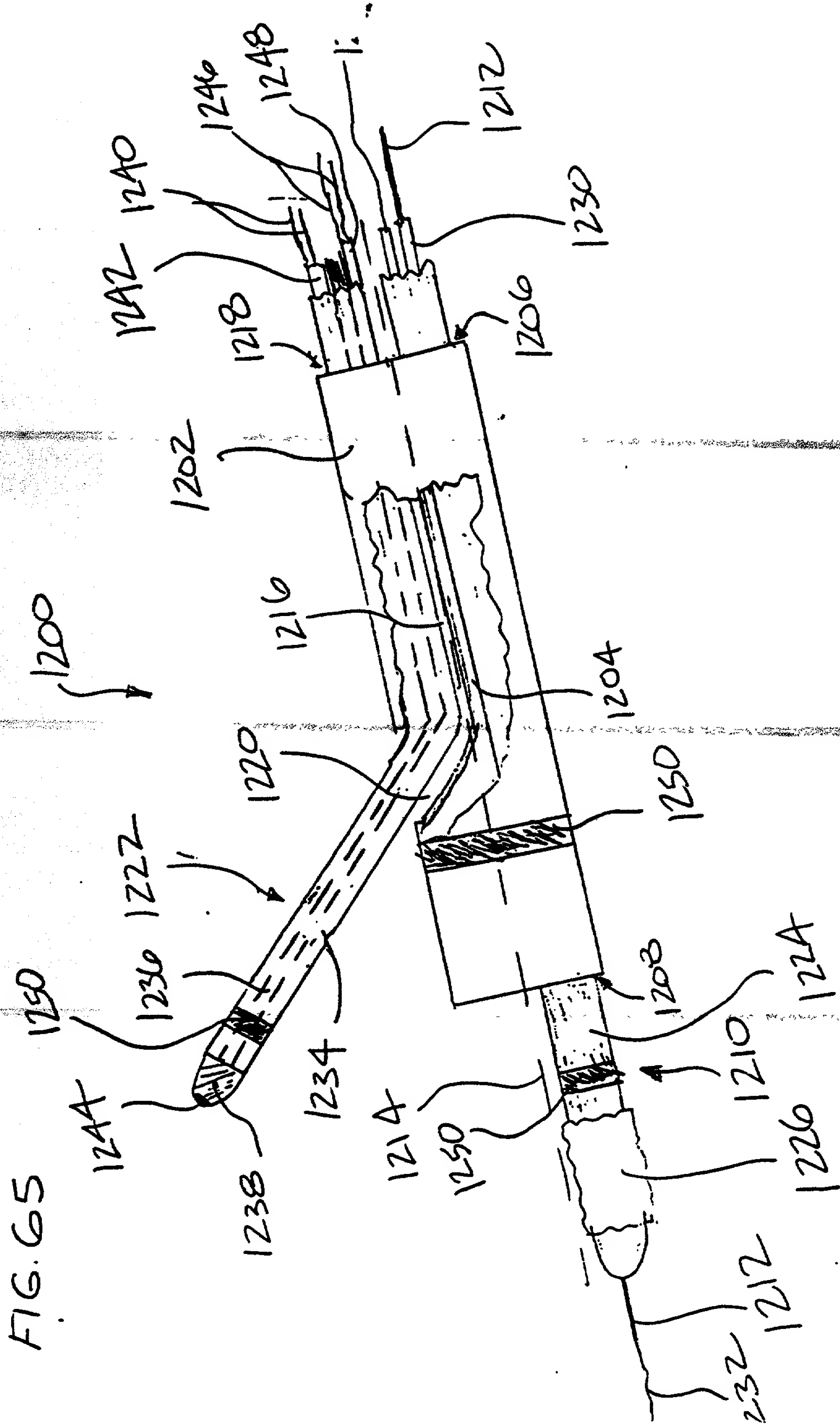


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FIG 64



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FIG. 66

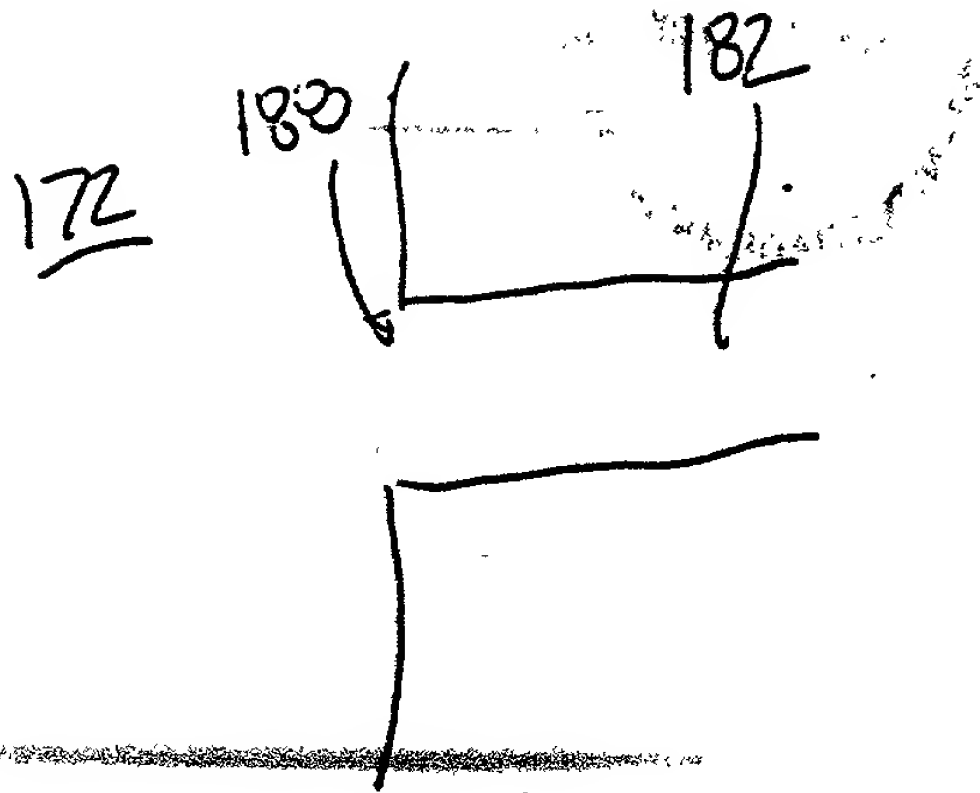
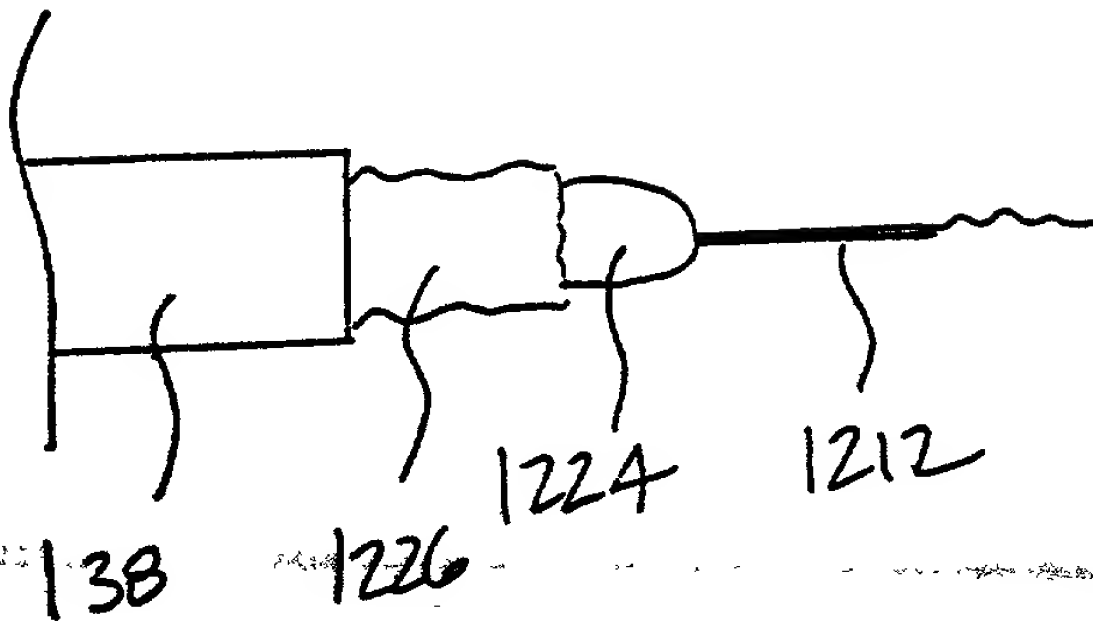


FIG. 67

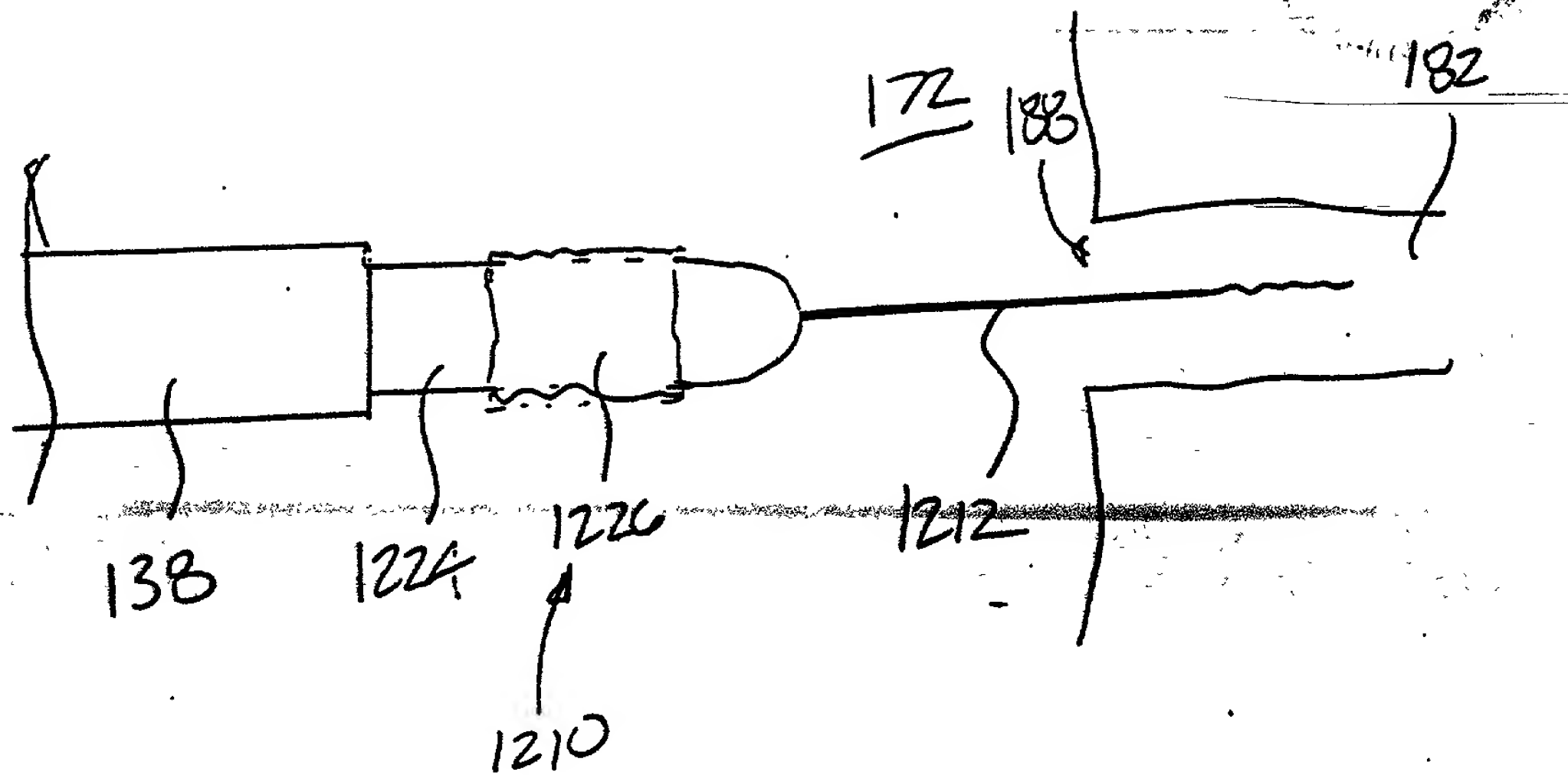


FIG. 68

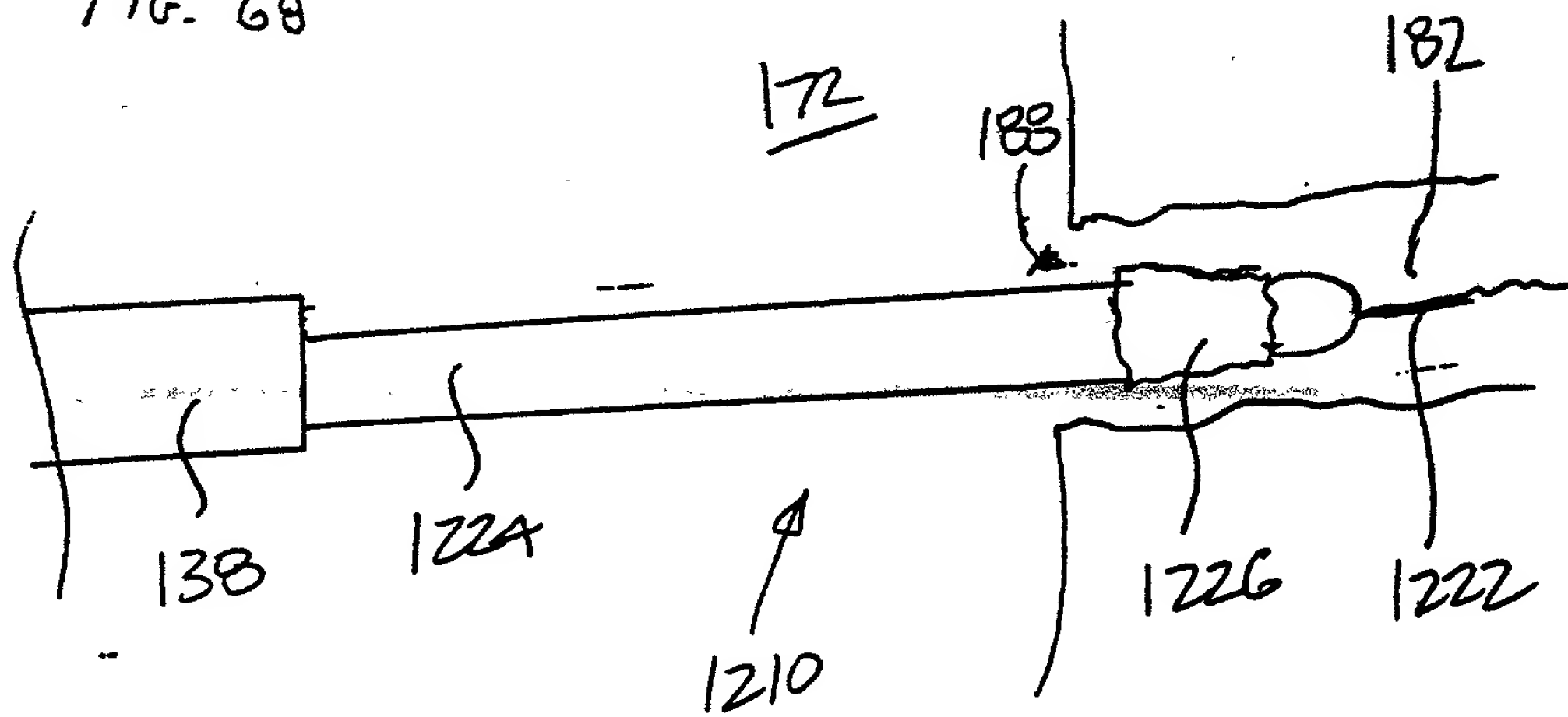


FIG. 69

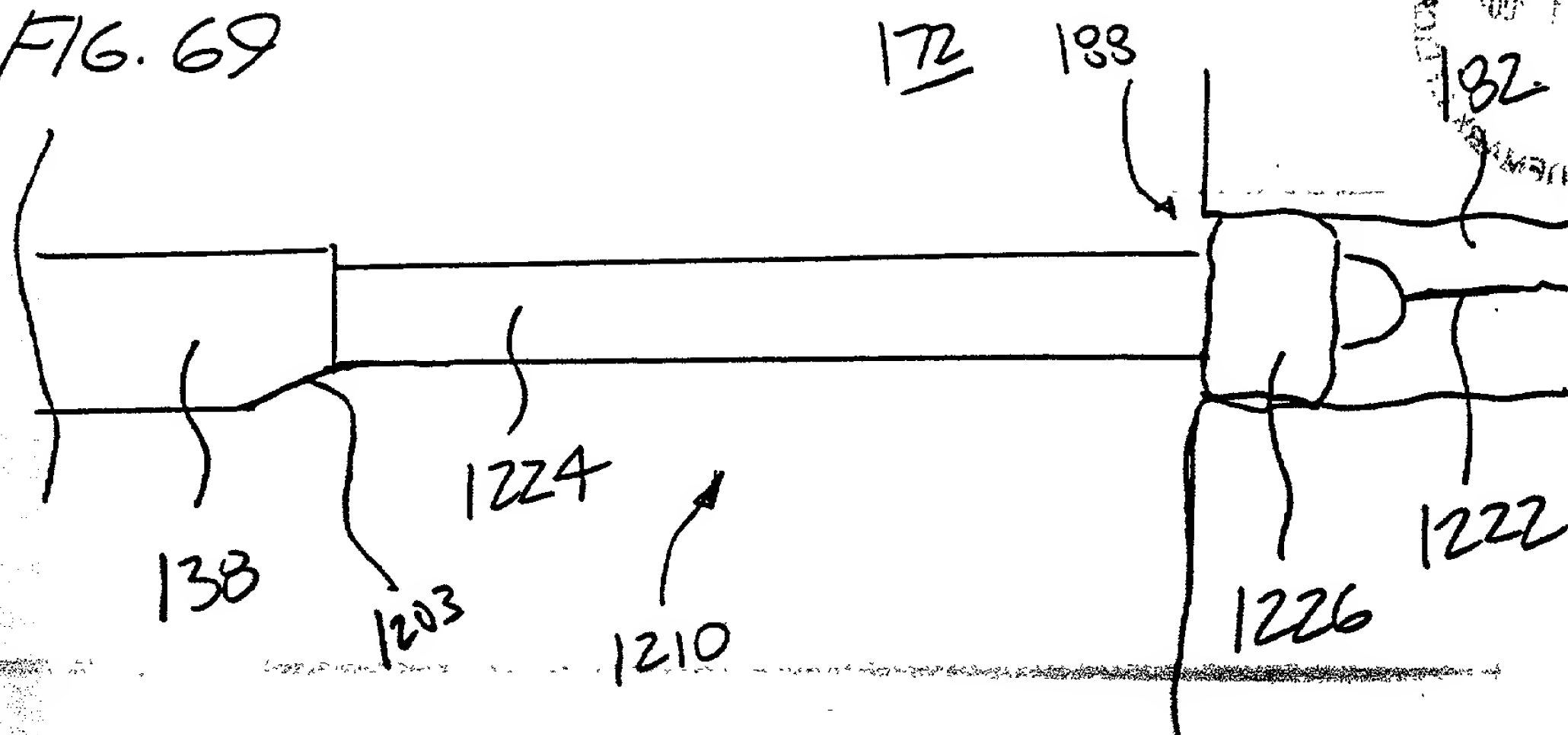
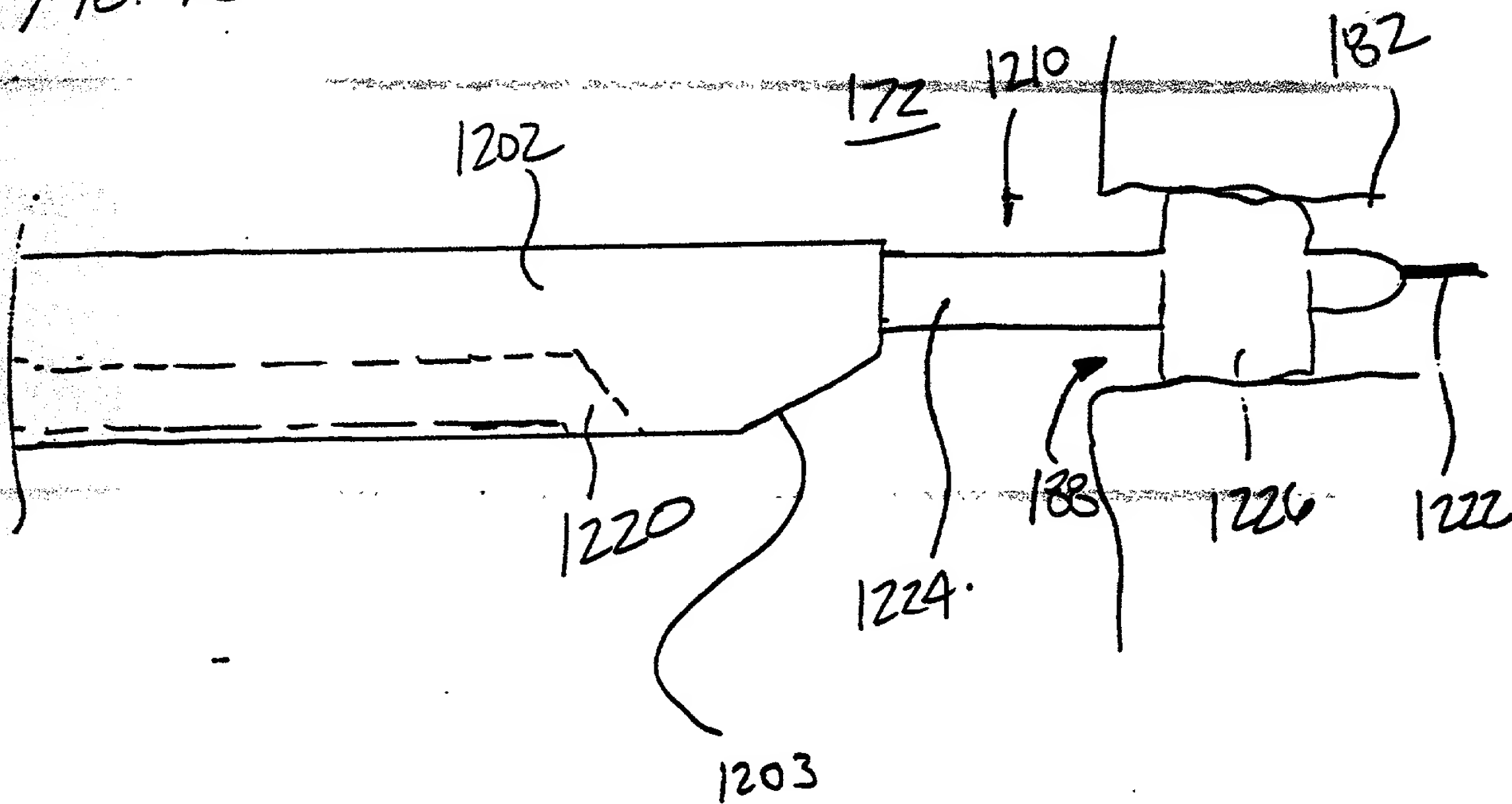


FIG. 70



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FIG. 71

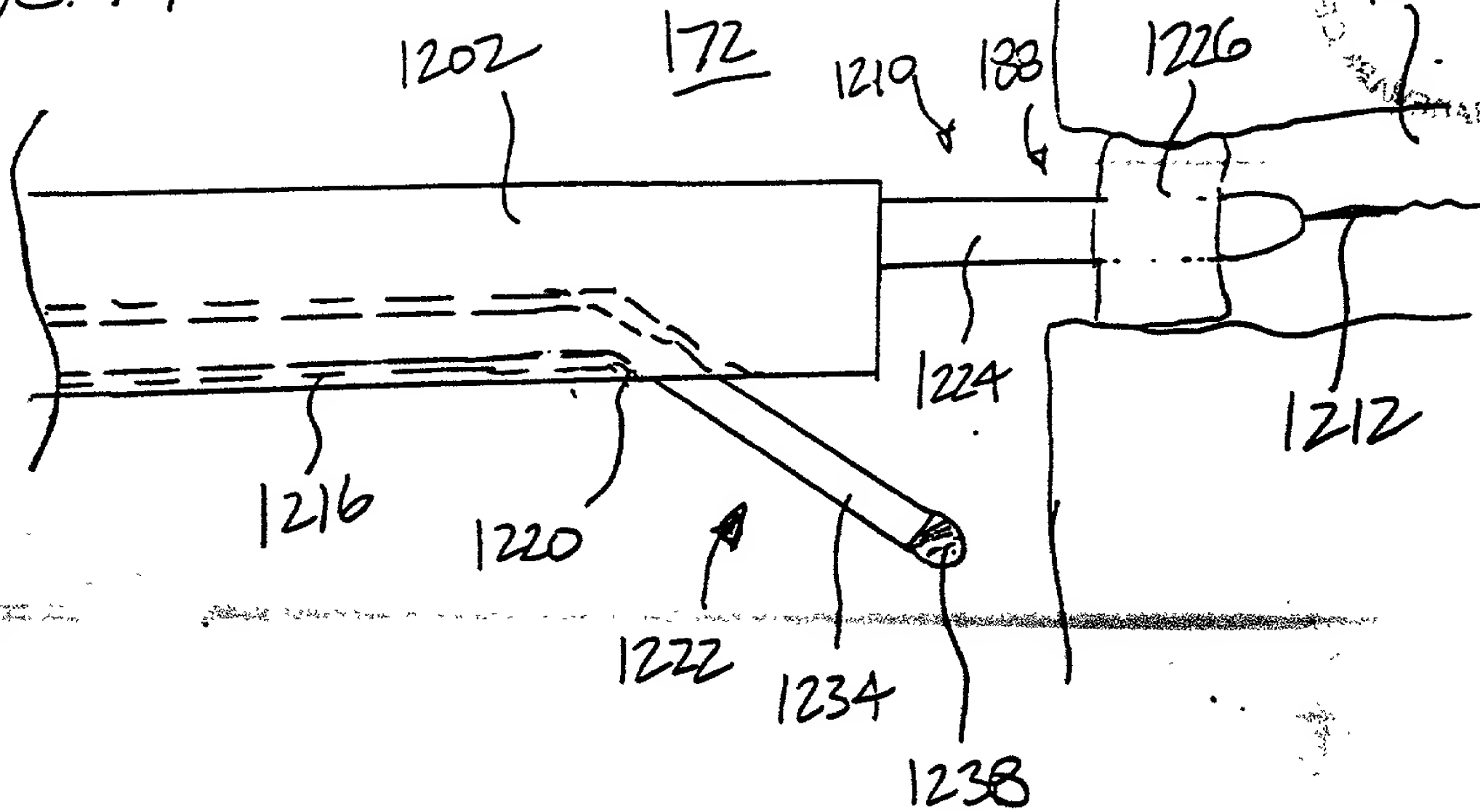


FIG. 72

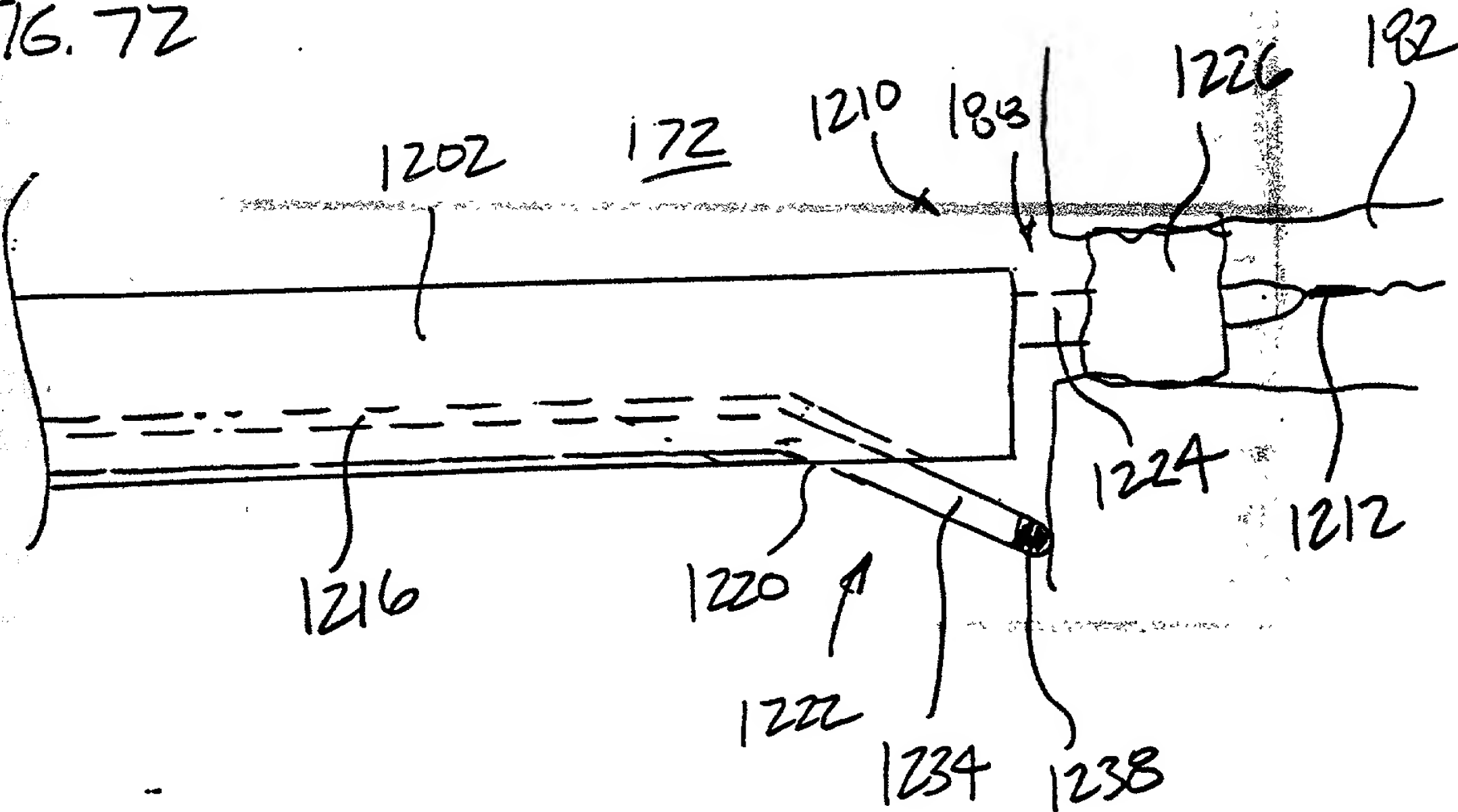
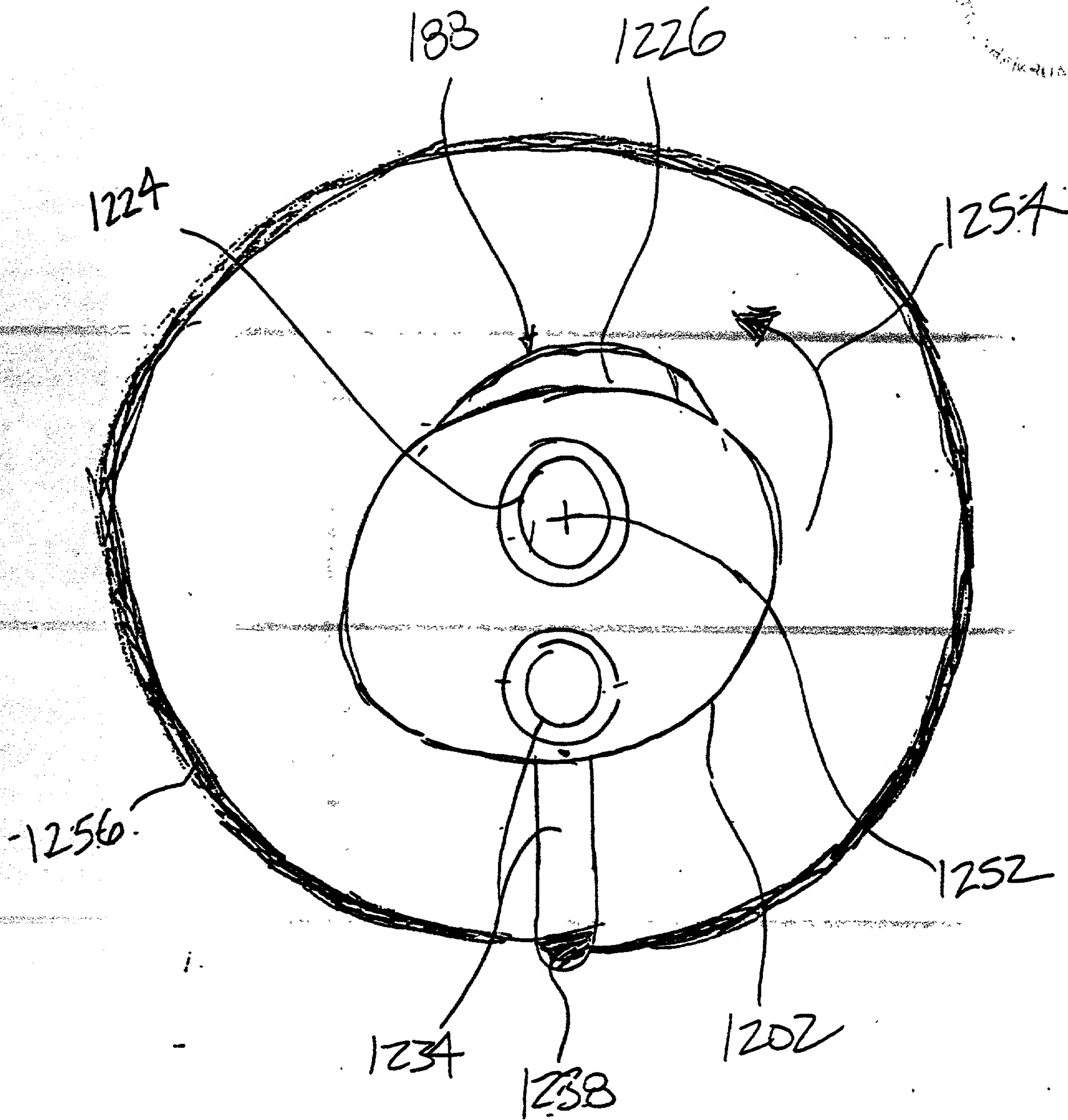
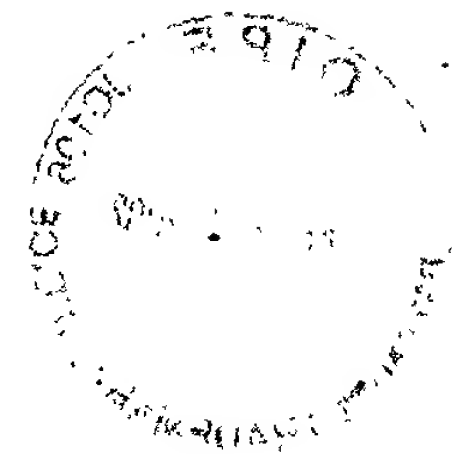


FIG. 73



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FIG 74

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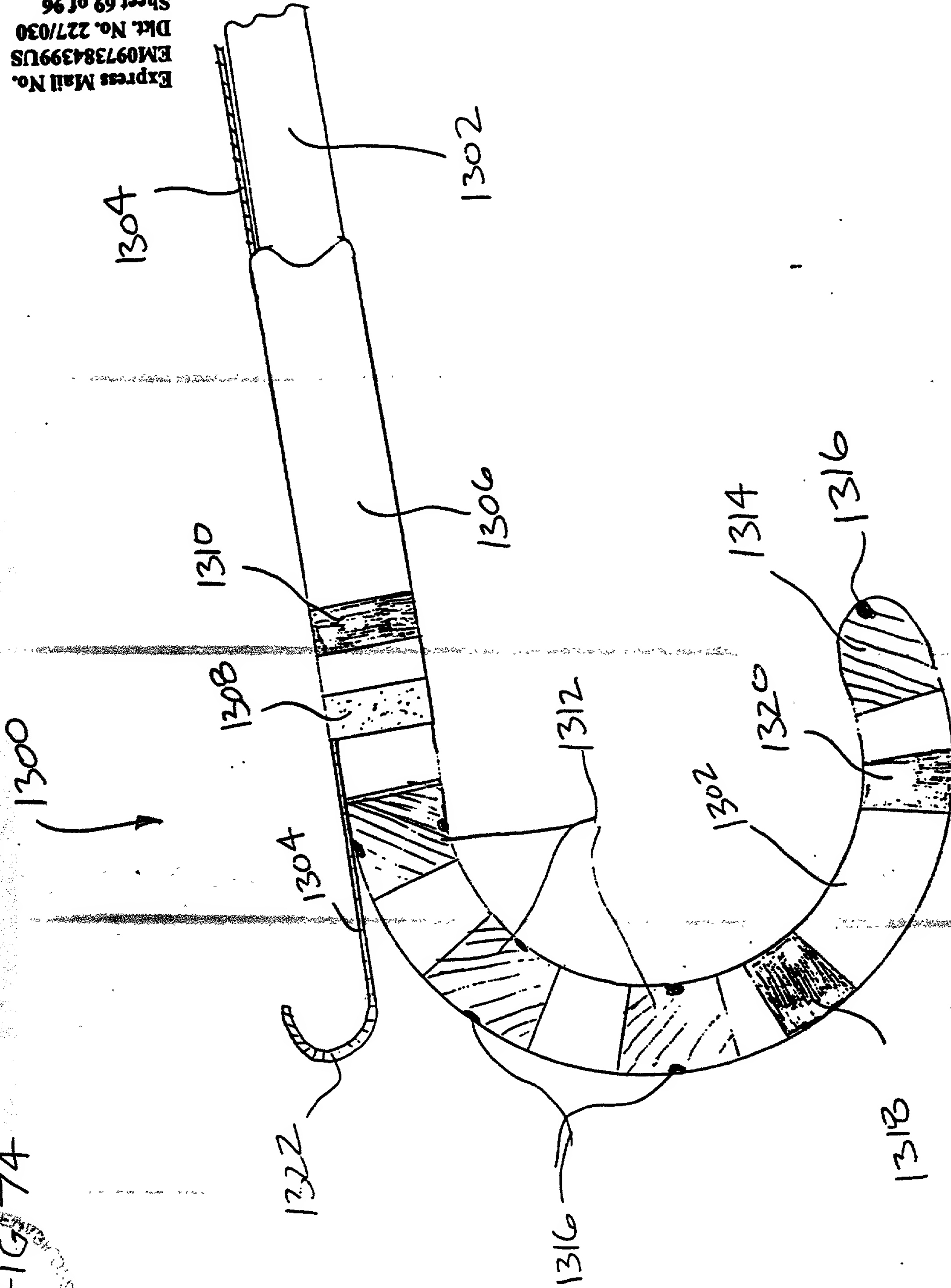




FIG 15

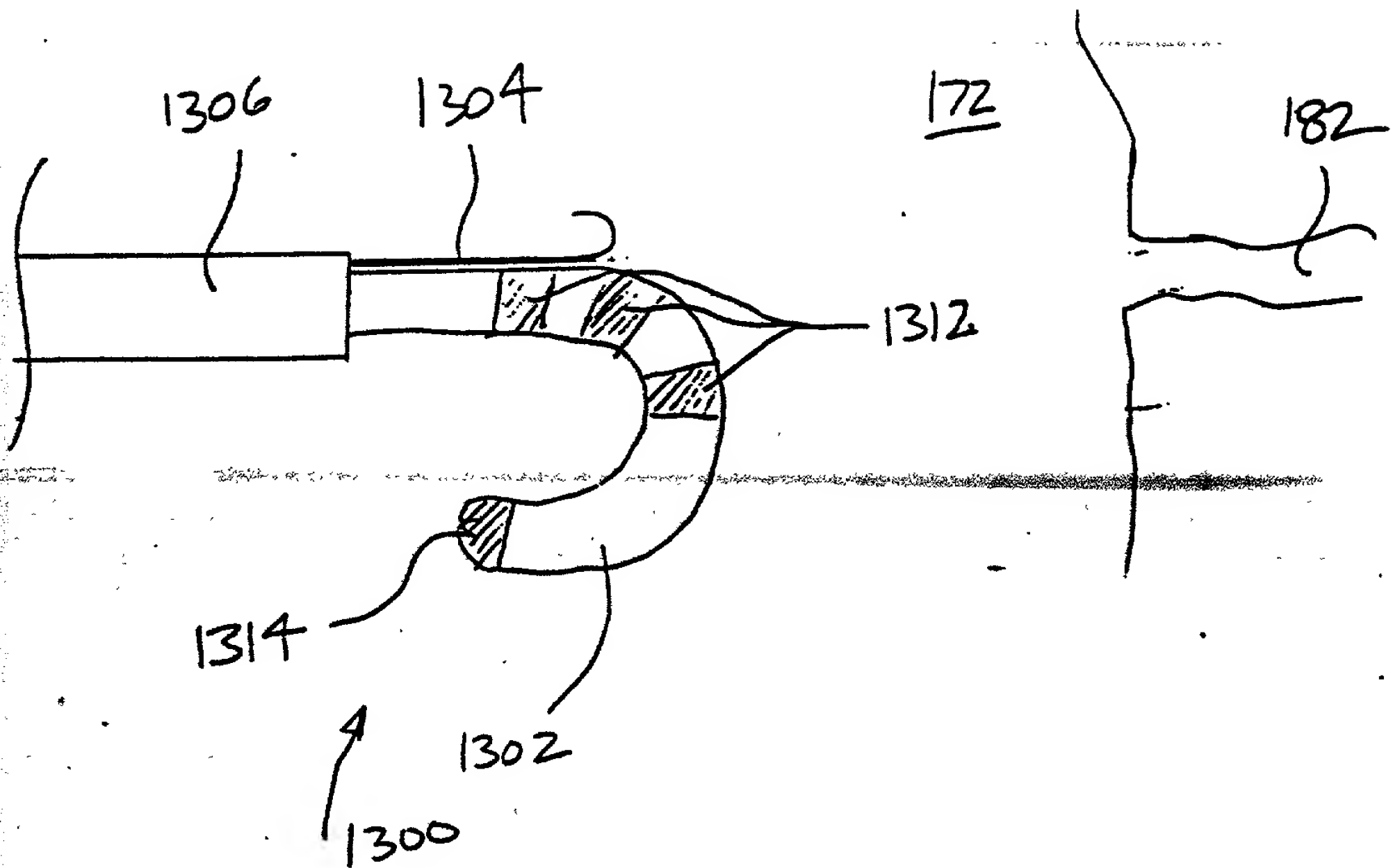
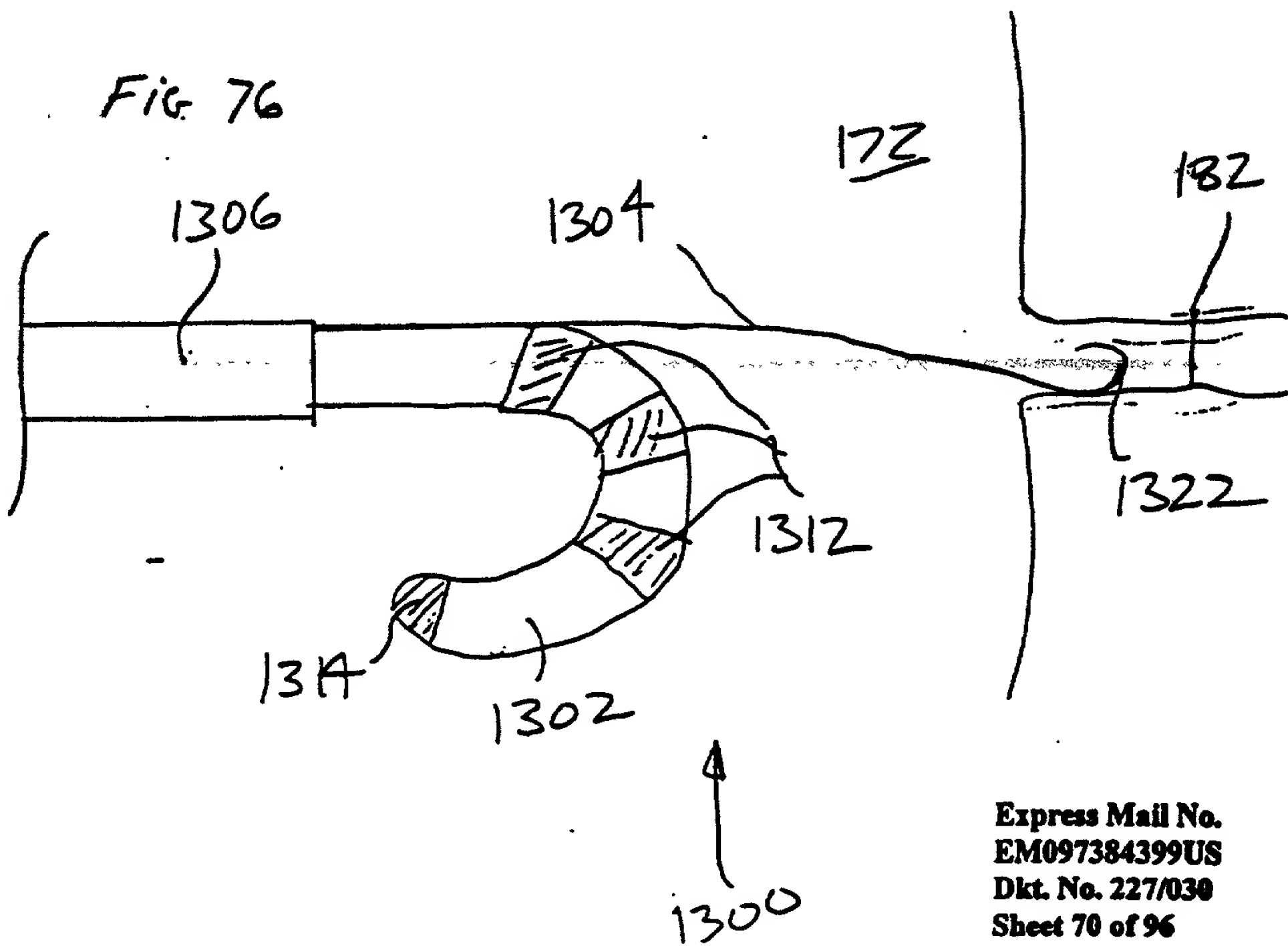


FIG 76



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FIG. 77

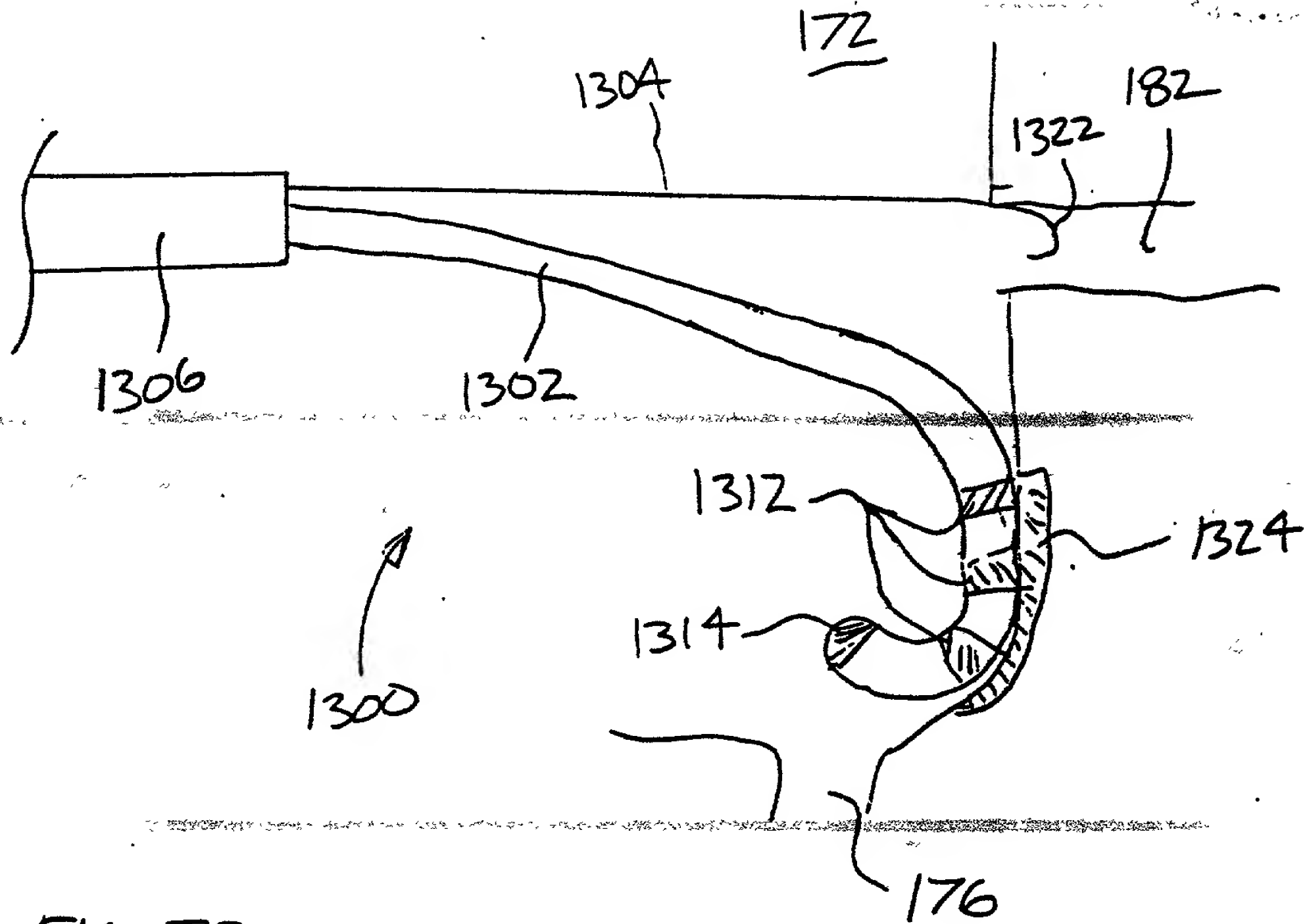


FIG. 78

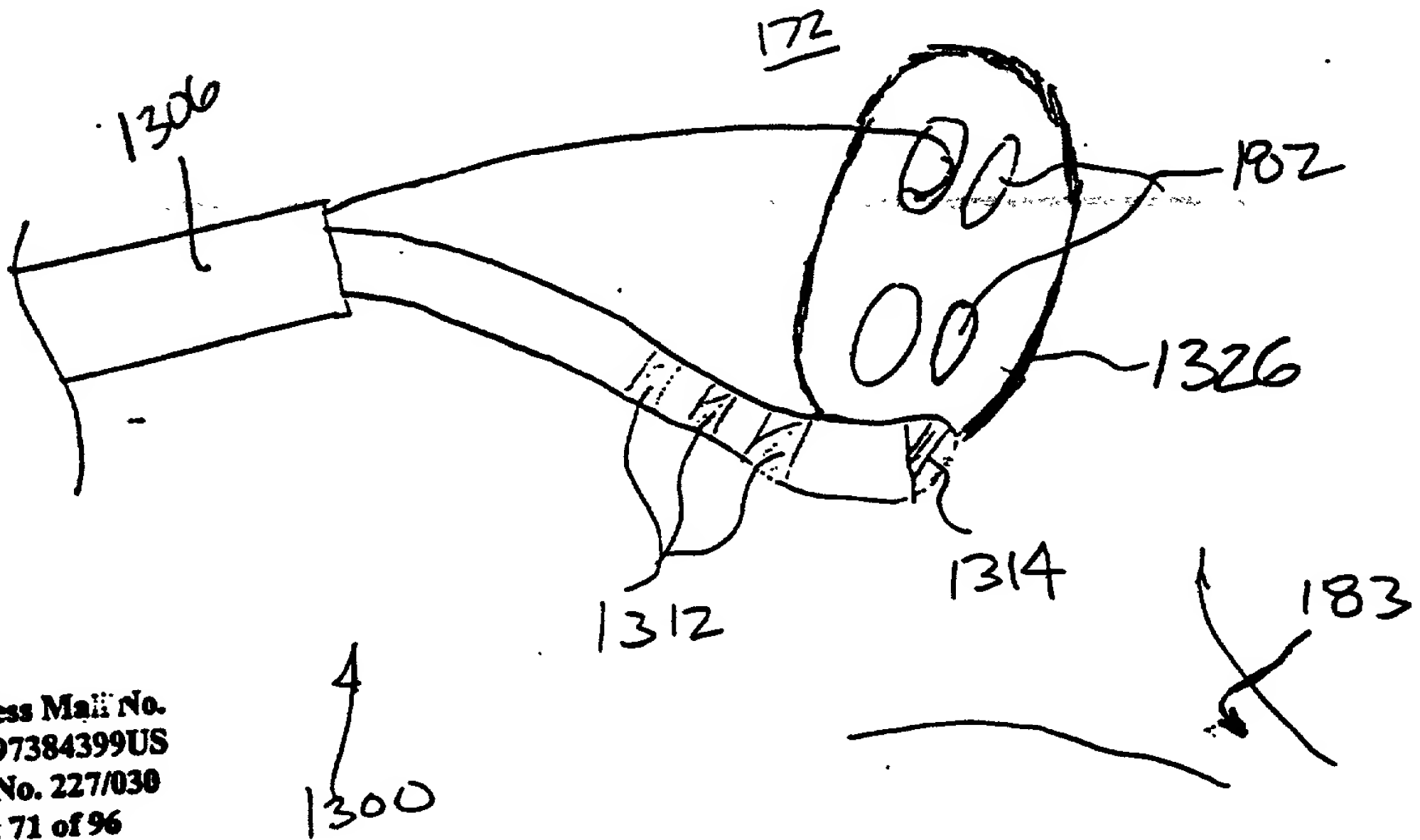
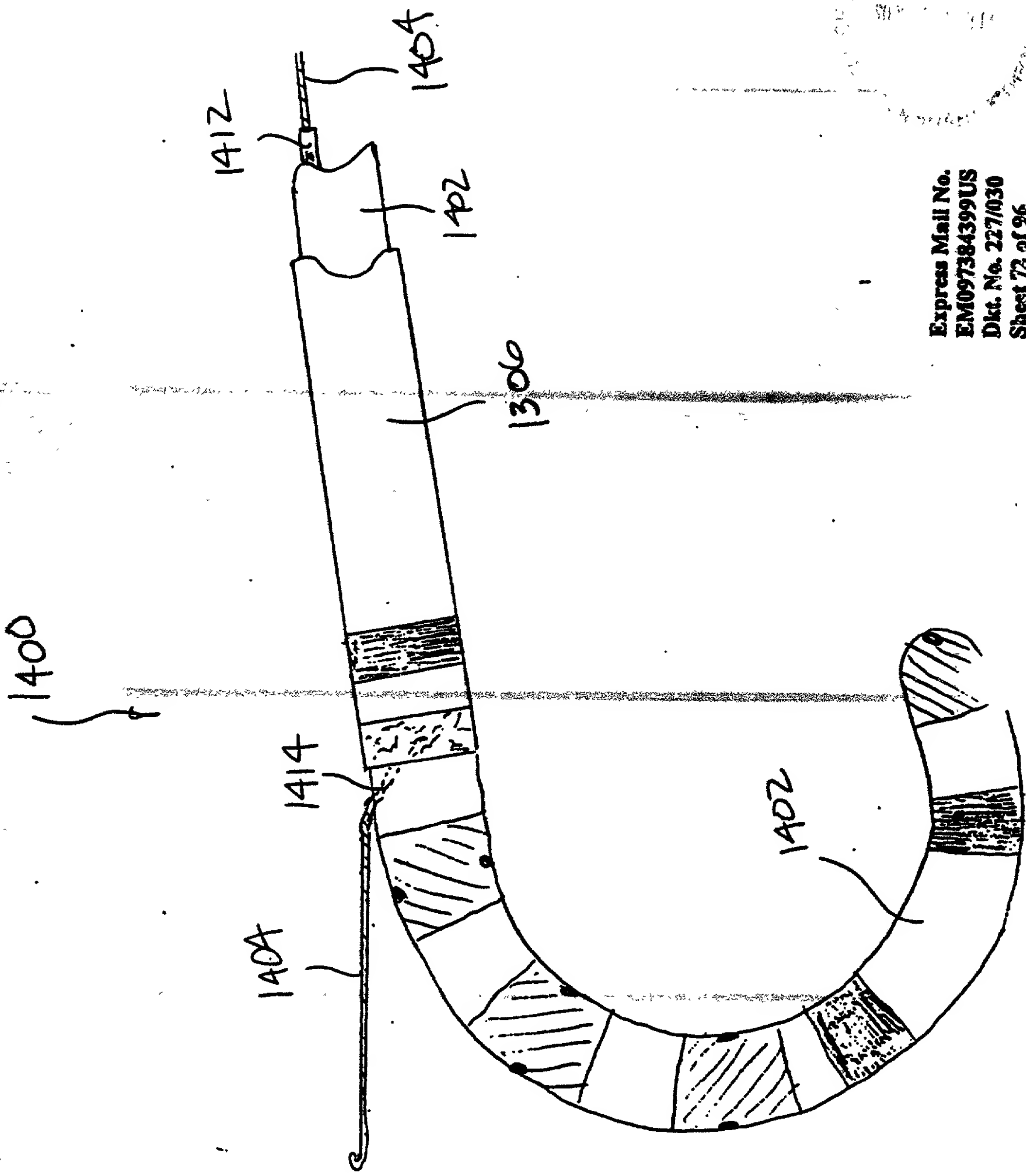


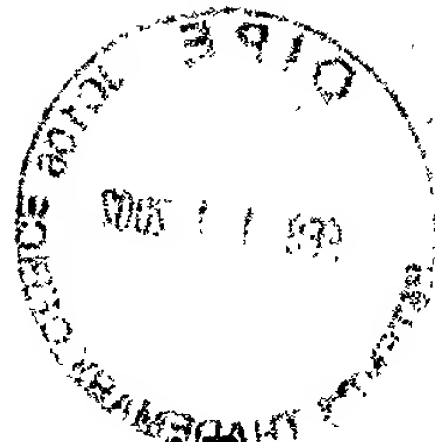
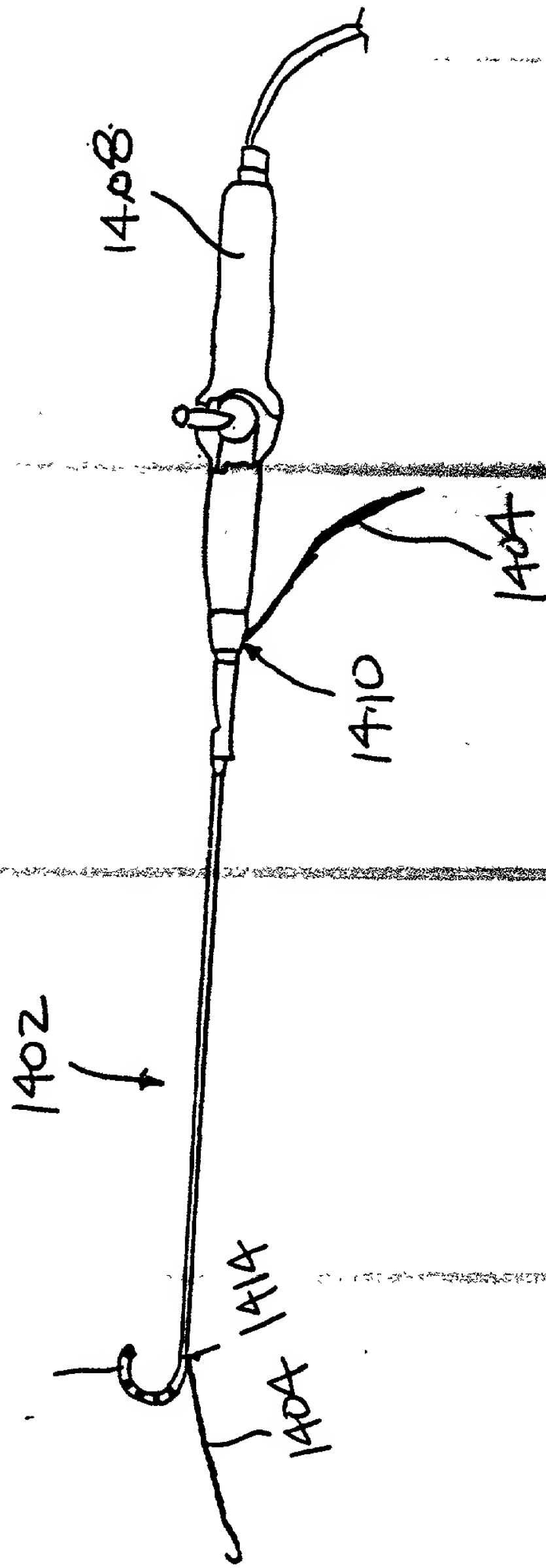
FIG. 79



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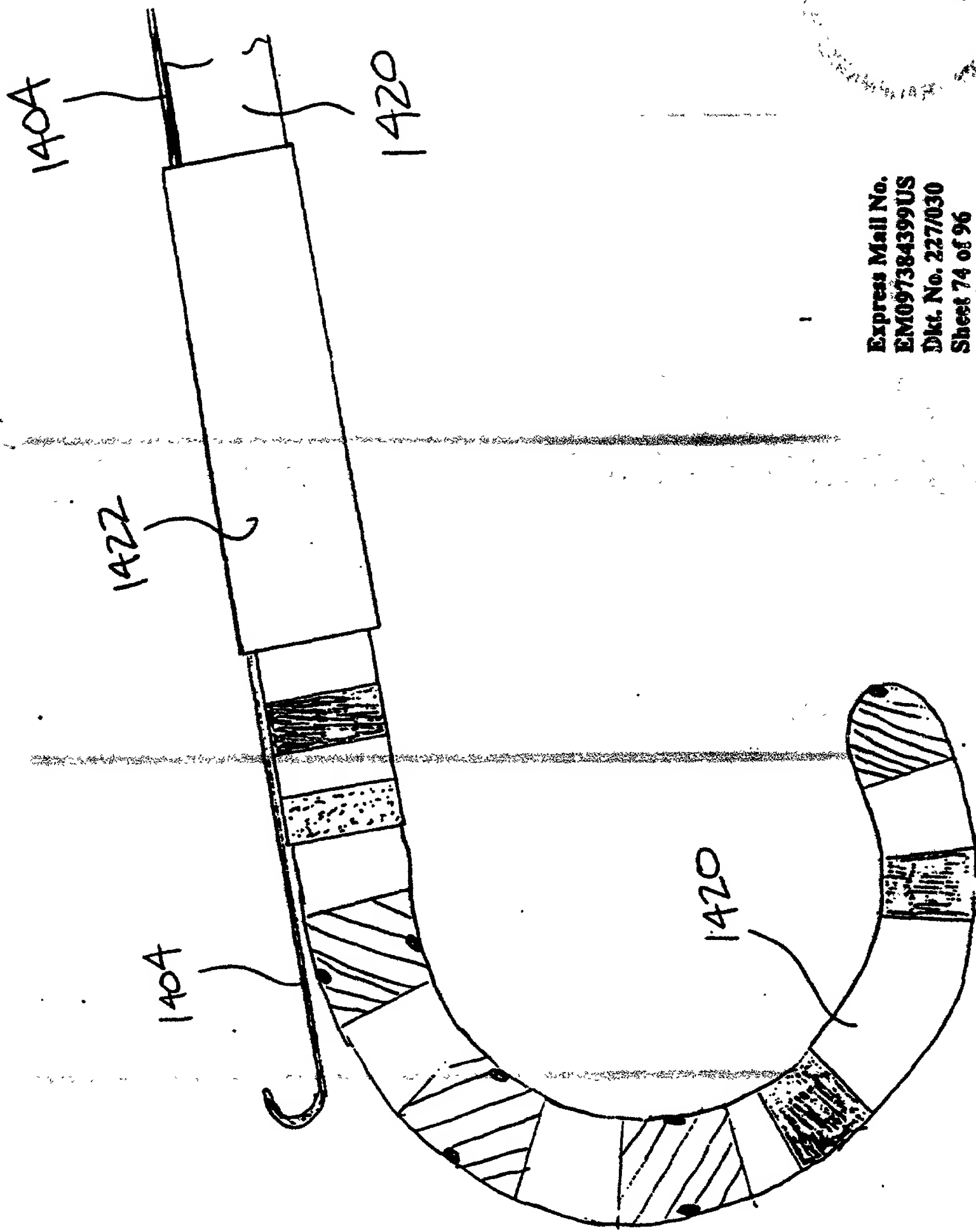


FIG. 30



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FIG. 81



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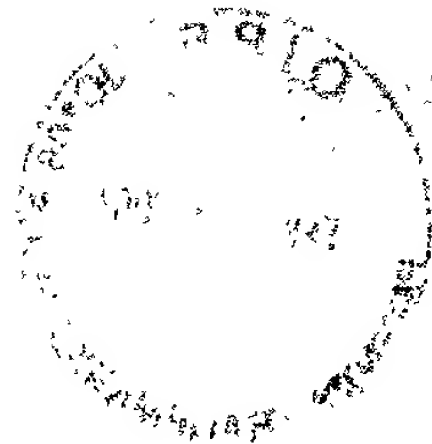
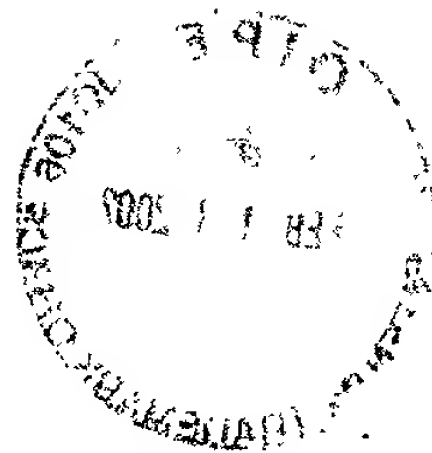
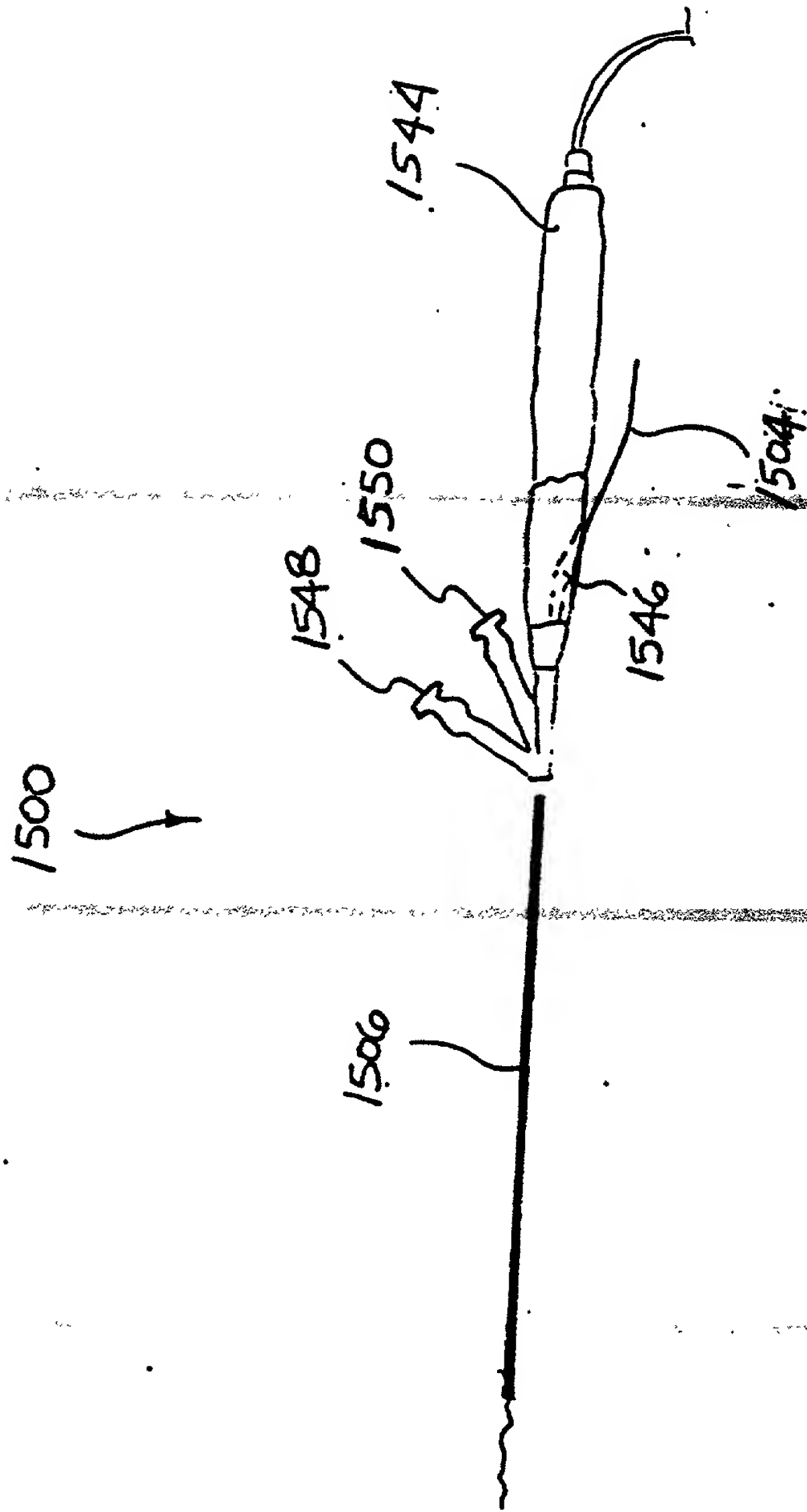


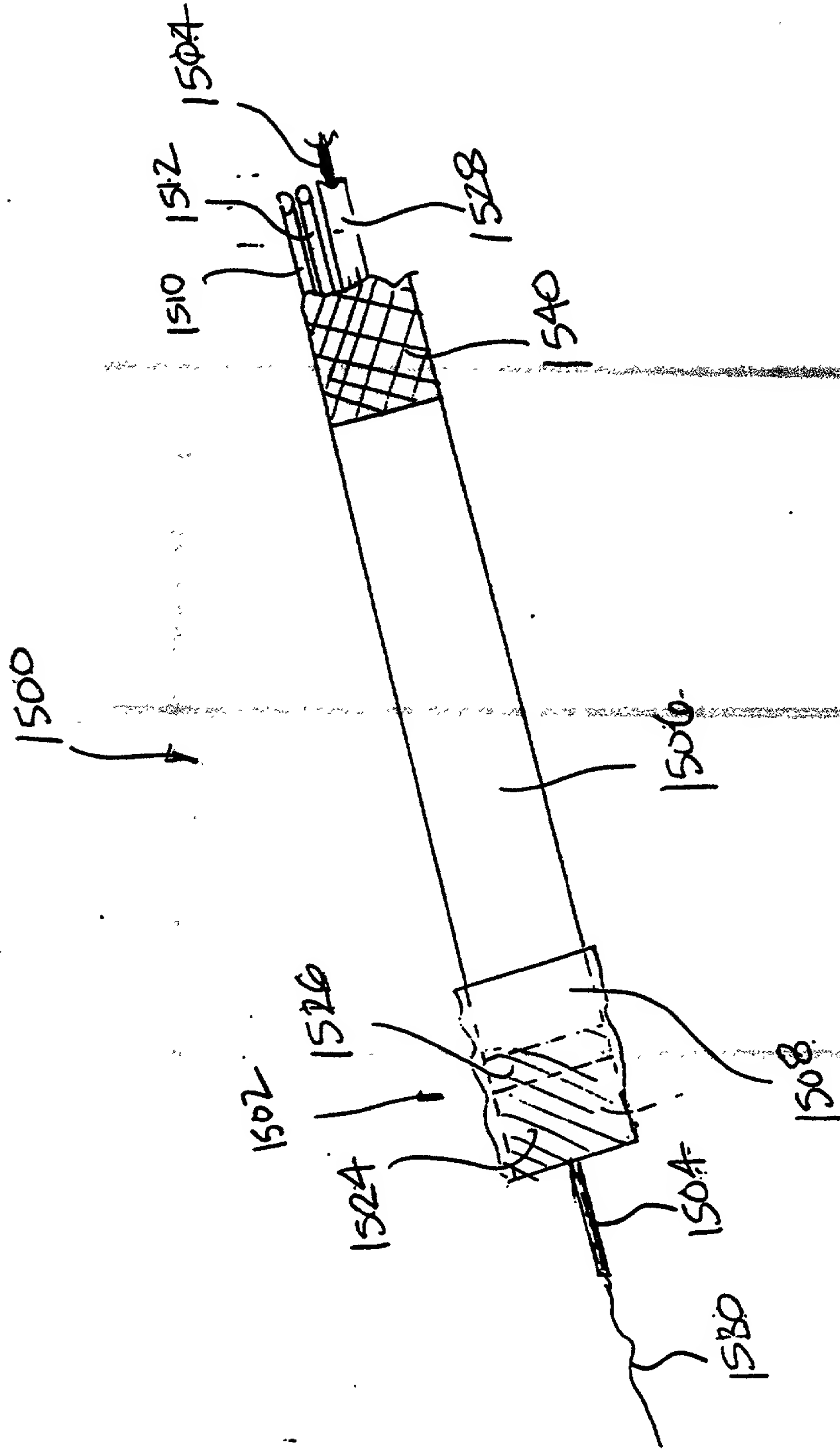
FIG. 82A

FIG. 82A



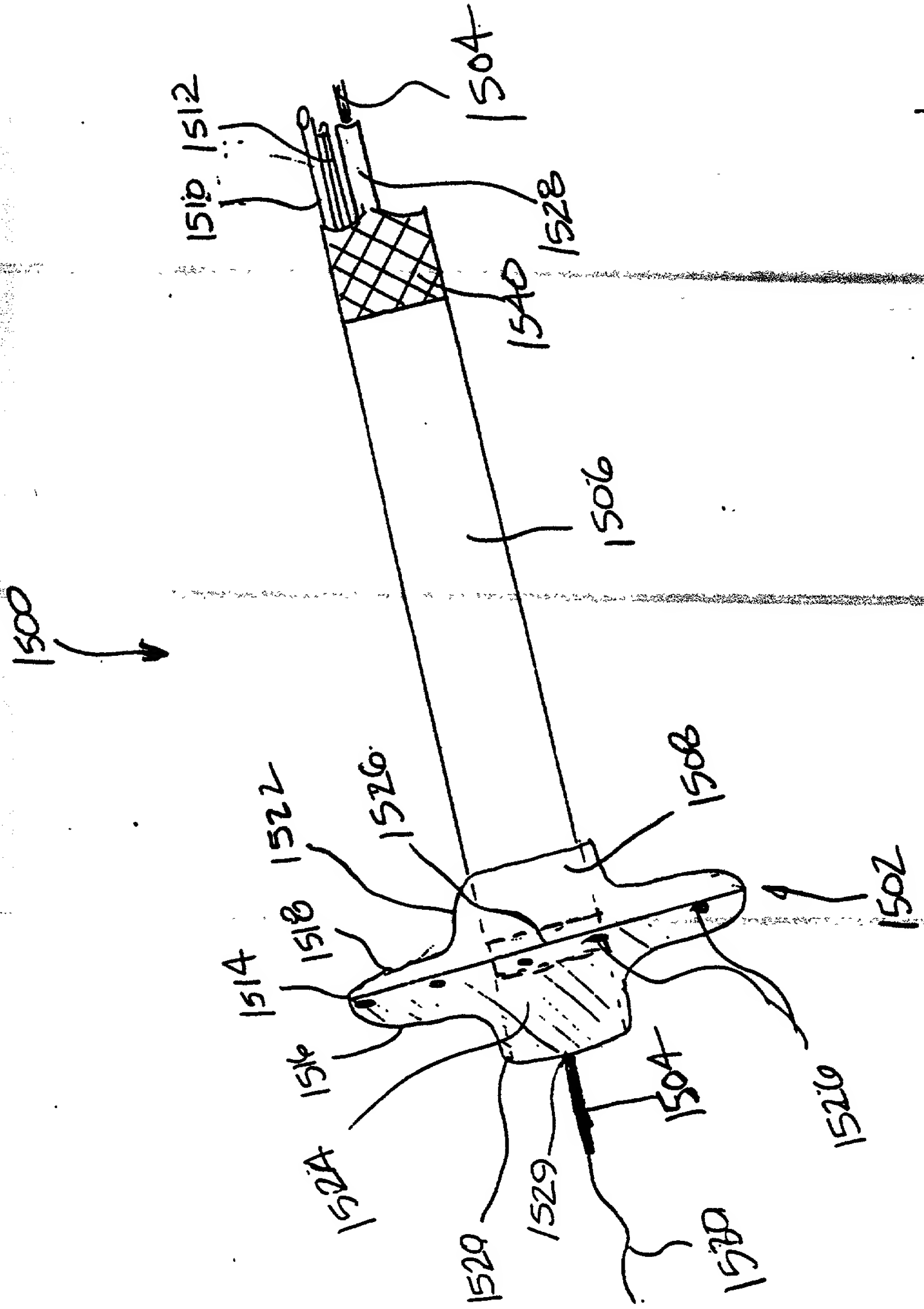
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FIG 82



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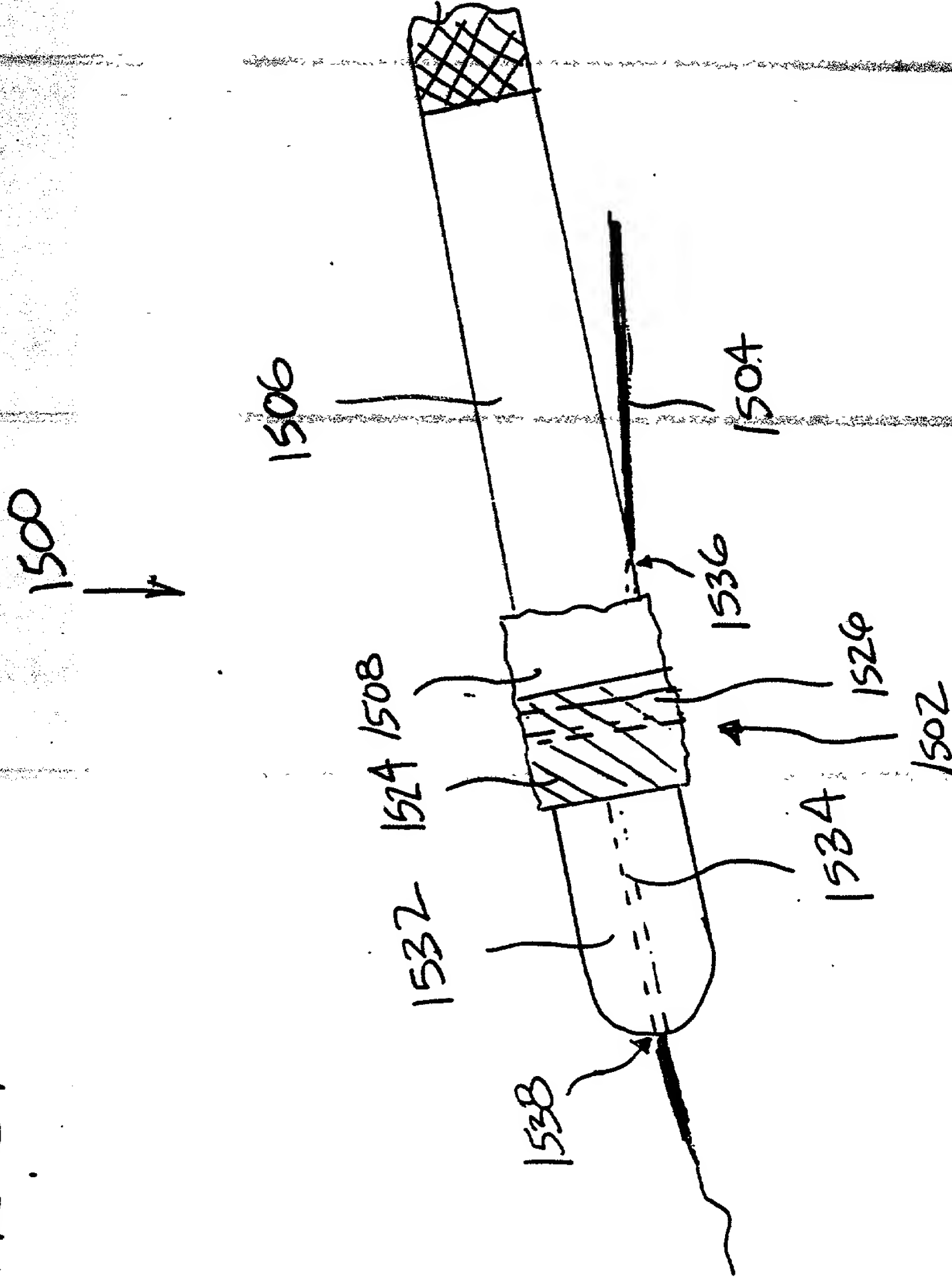
FIG 83



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FIG. 84



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FIG. 85

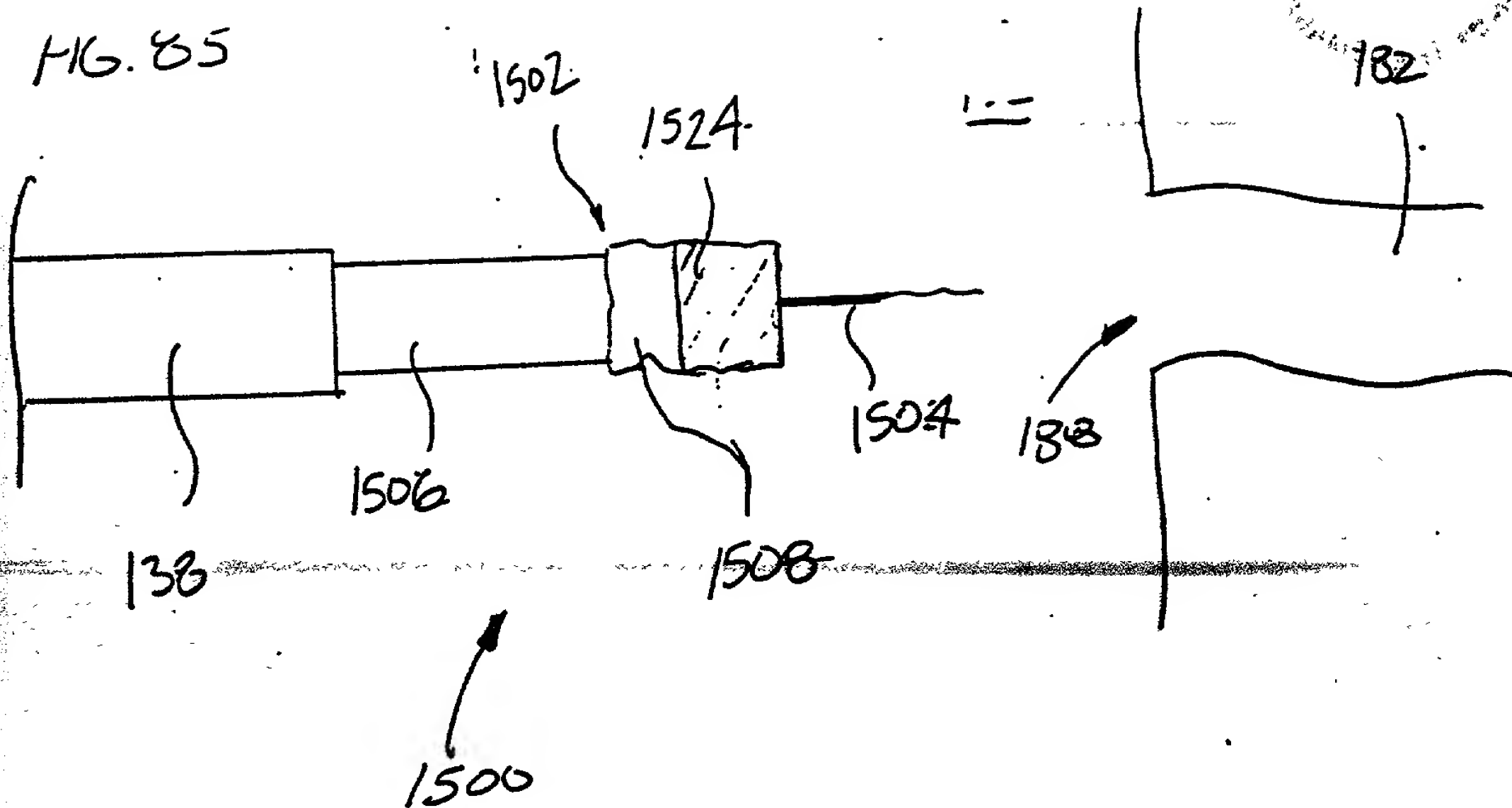
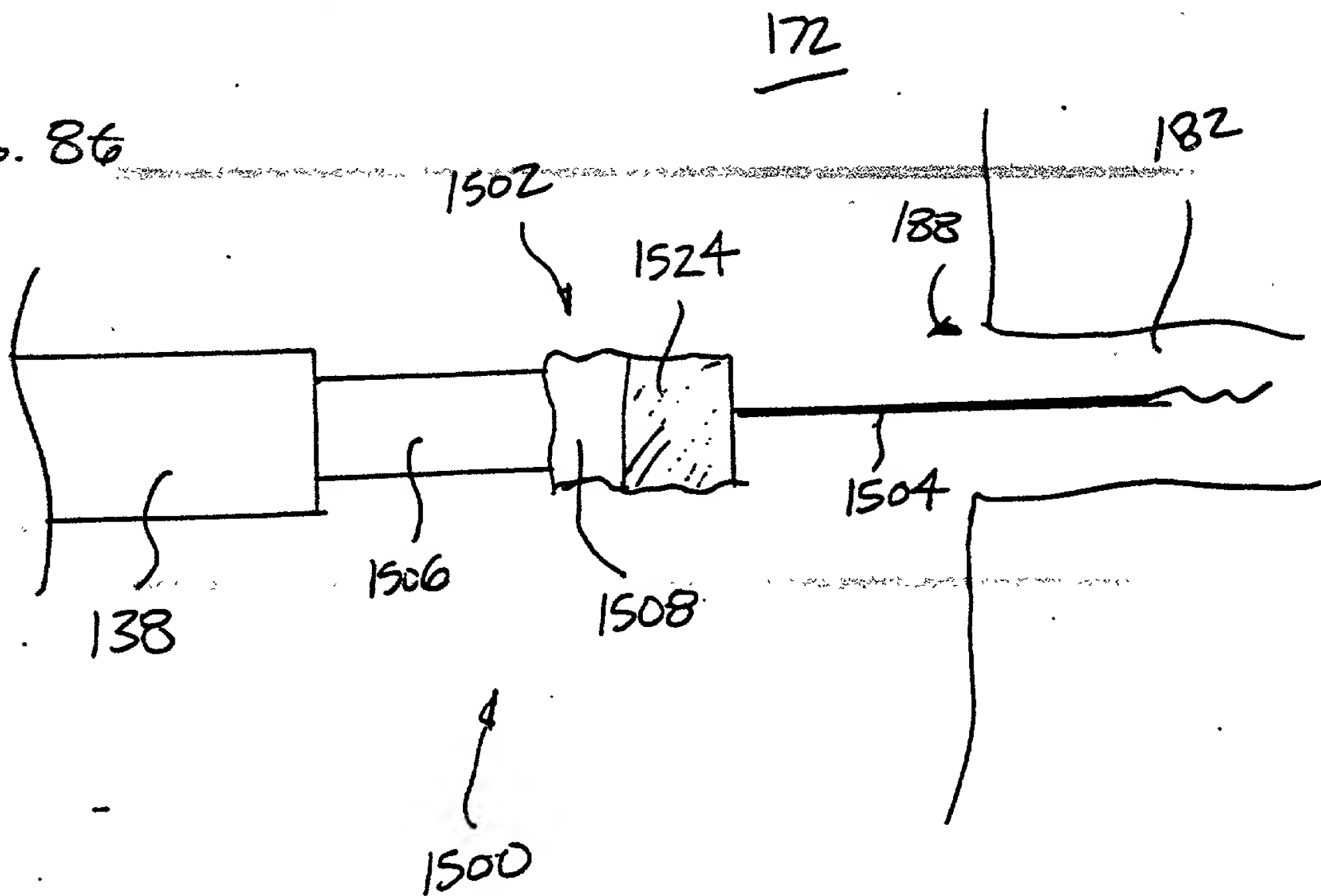


FIG. 86



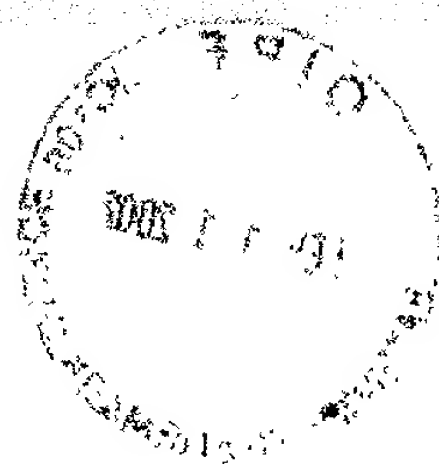


FIG. 87

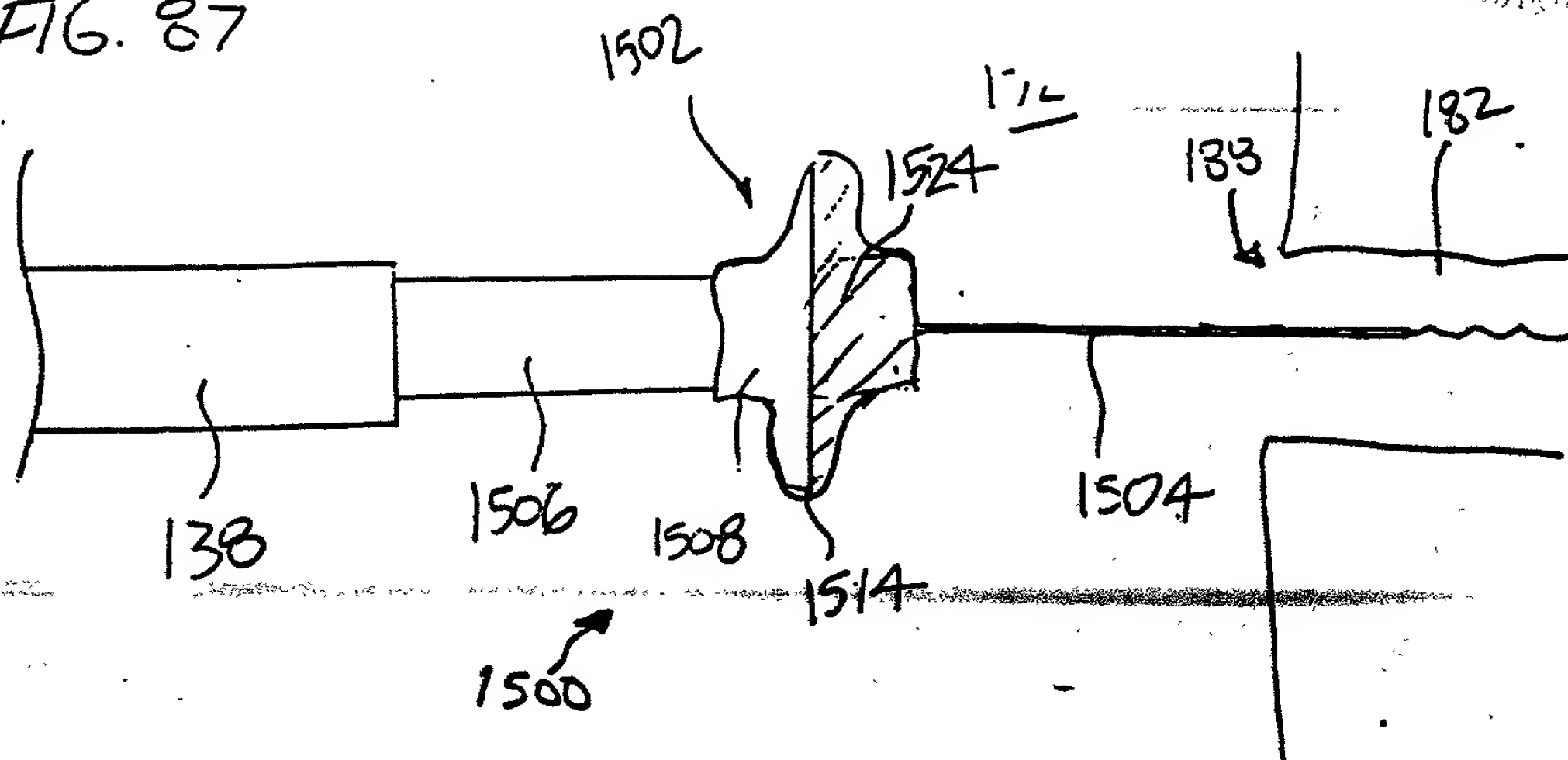
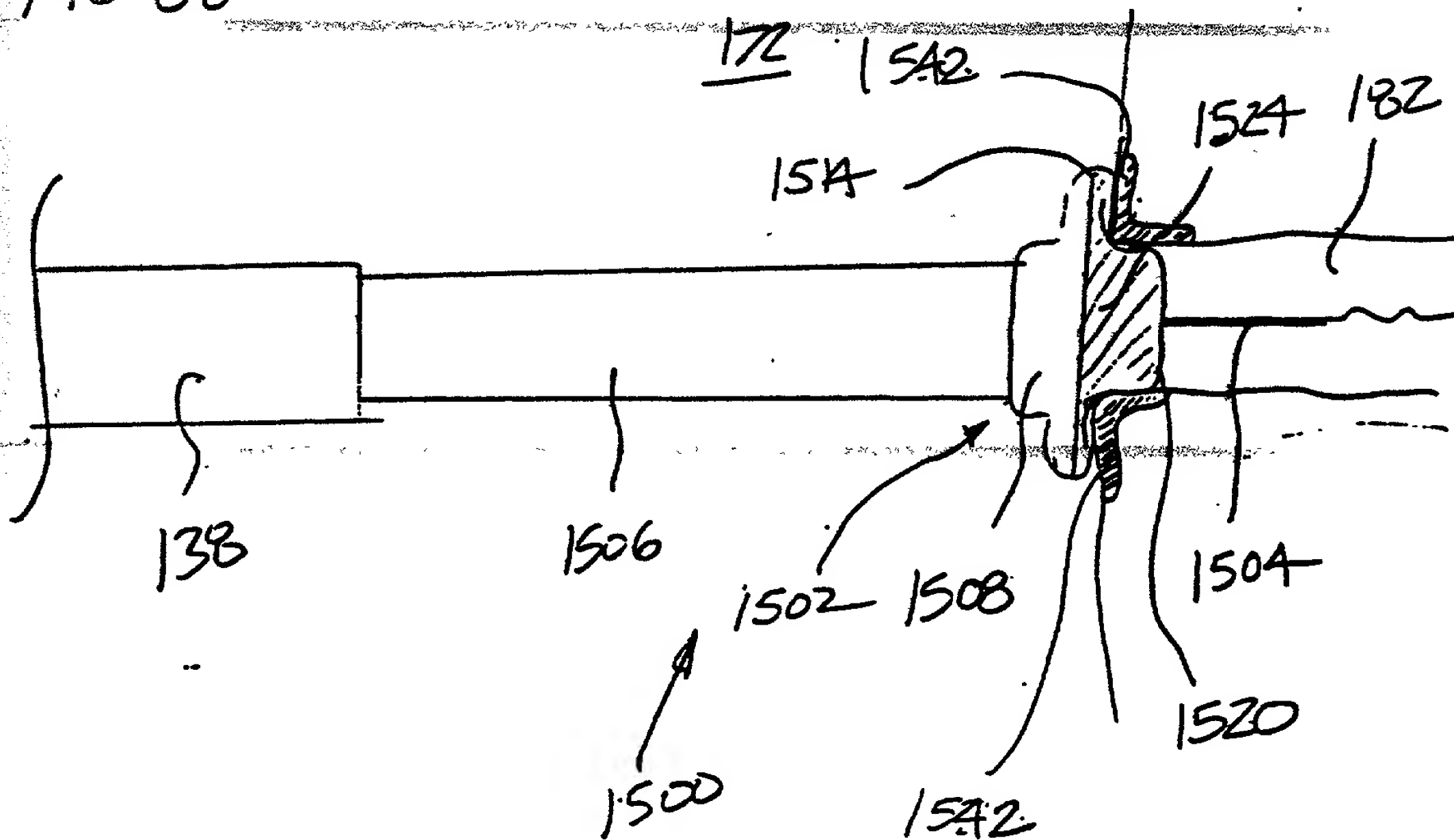
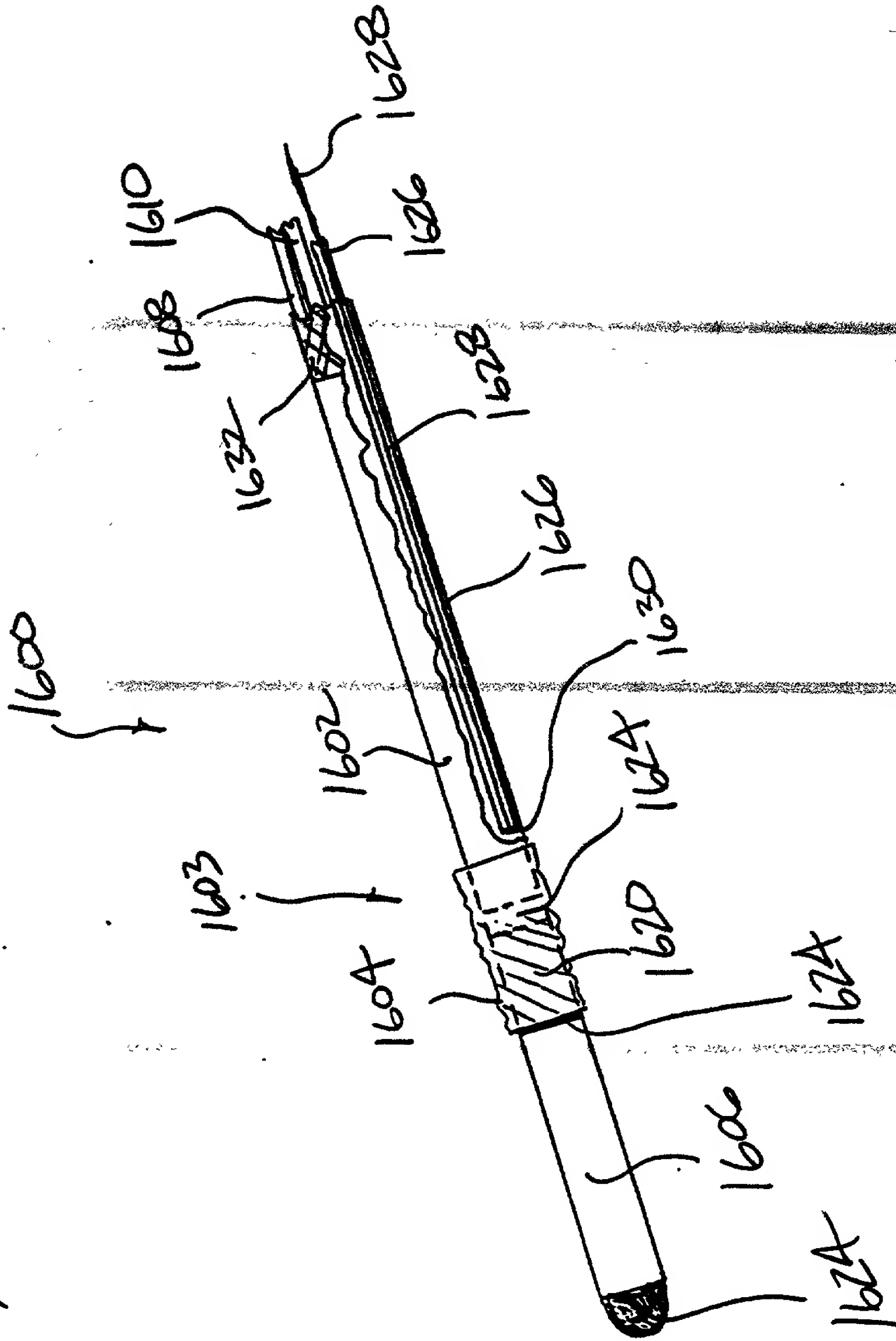


FIG. 88



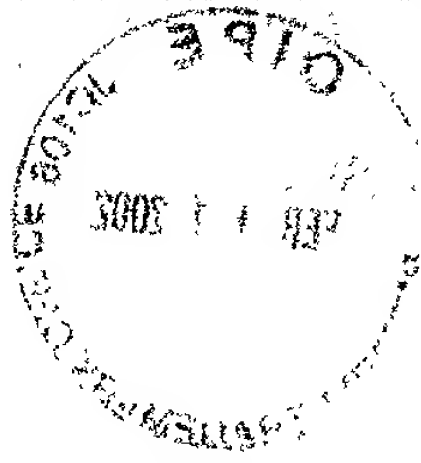
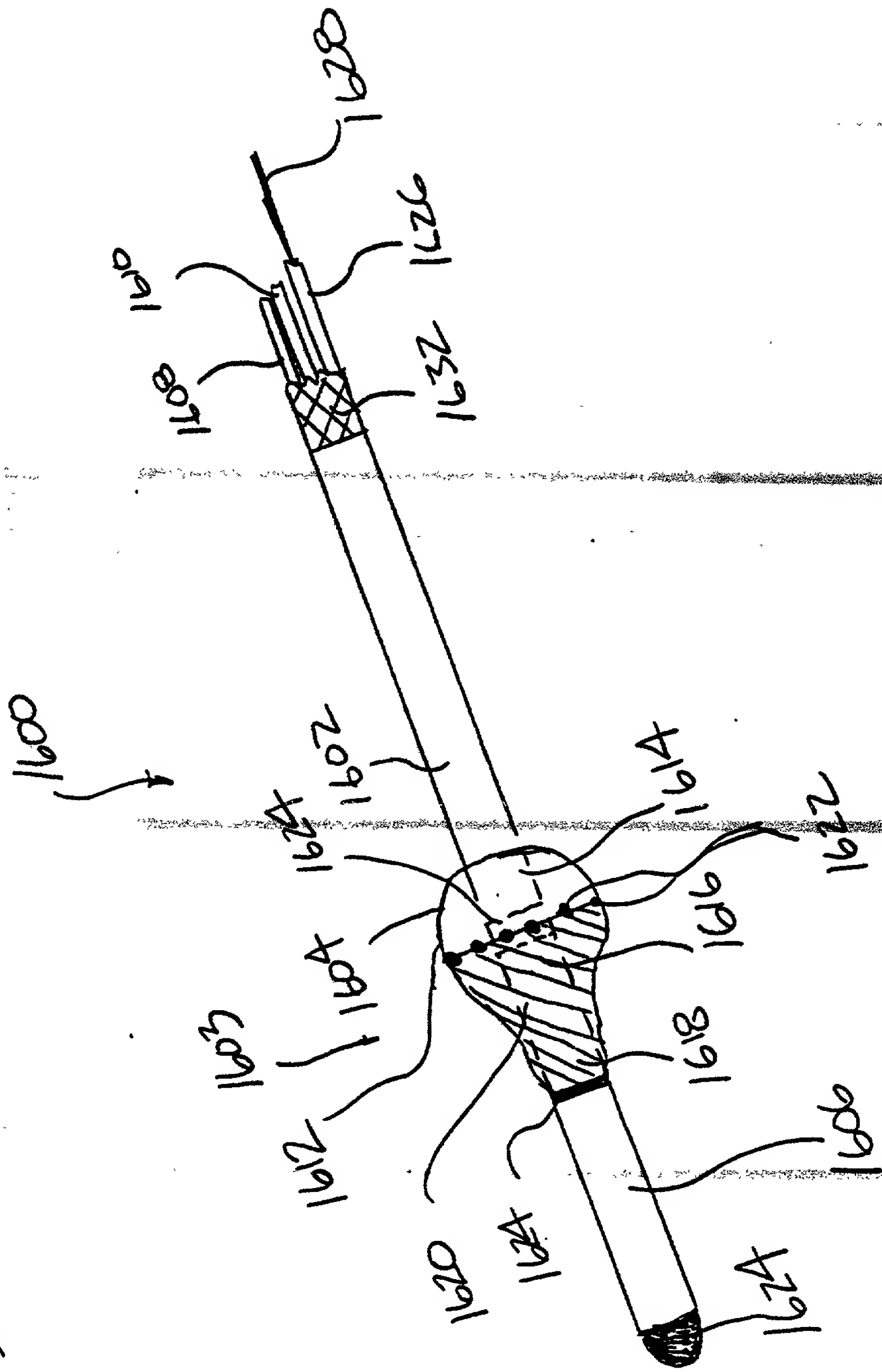
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FIG. 89



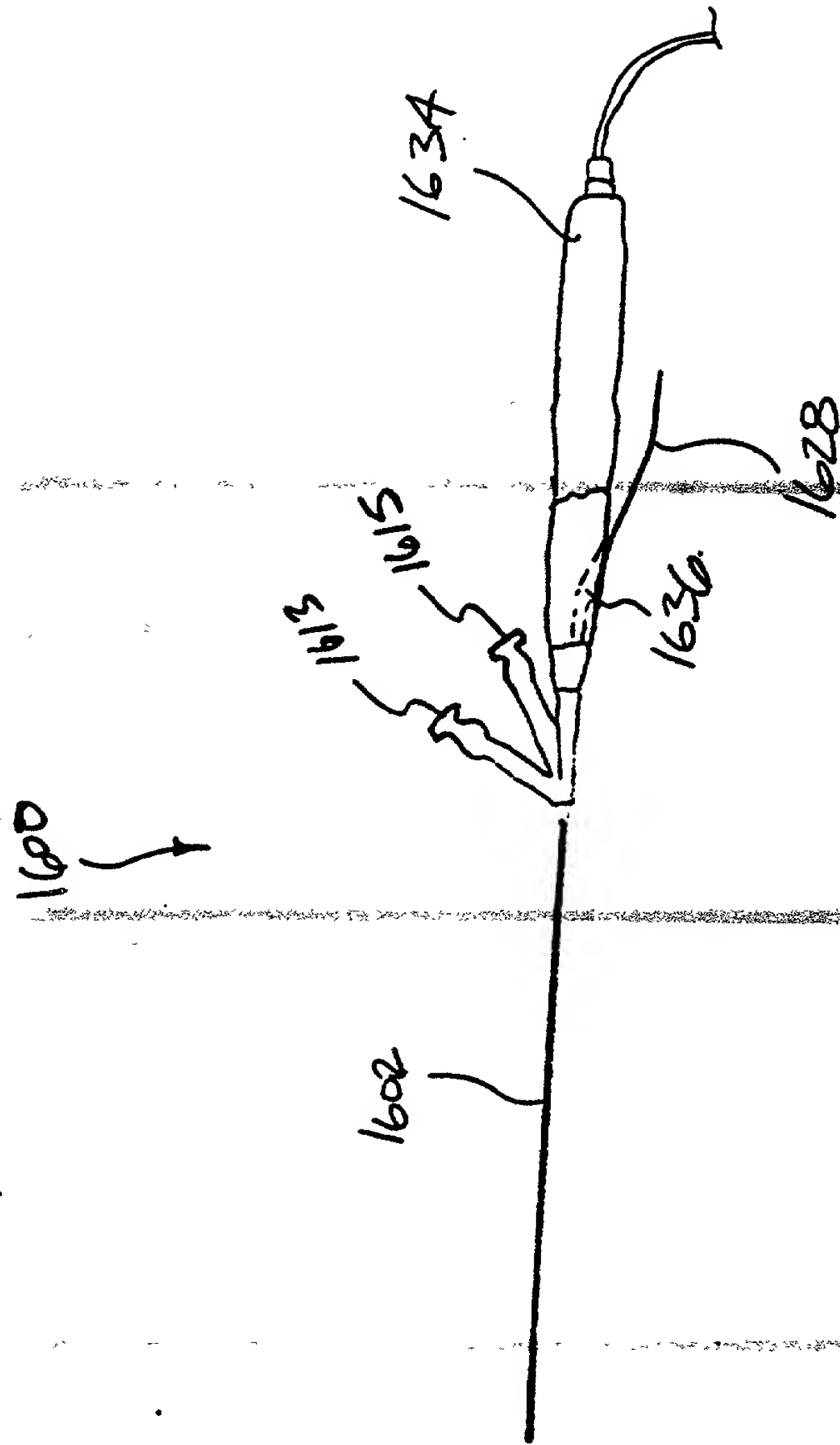
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FIG. 90



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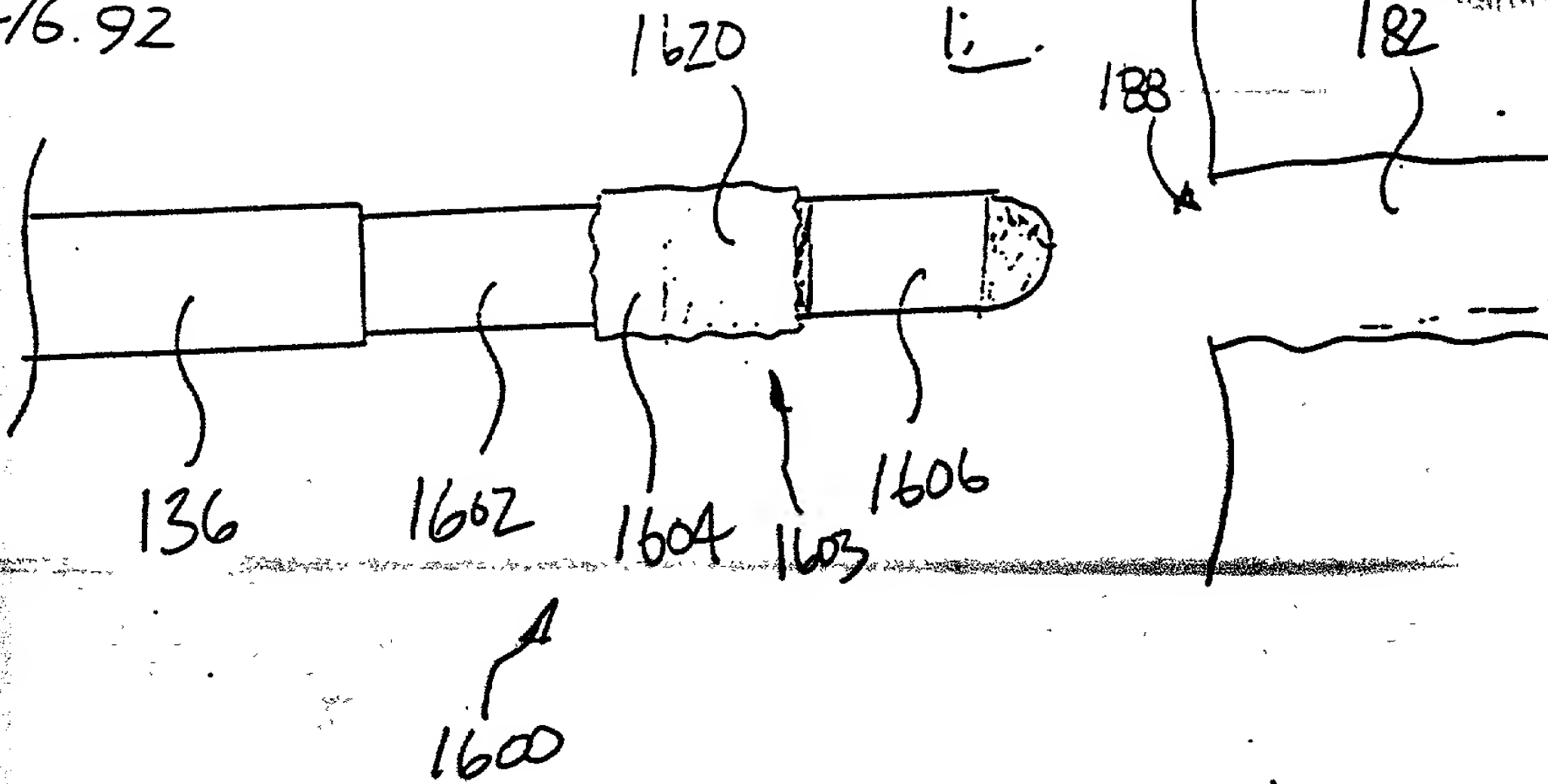
FIG. 91



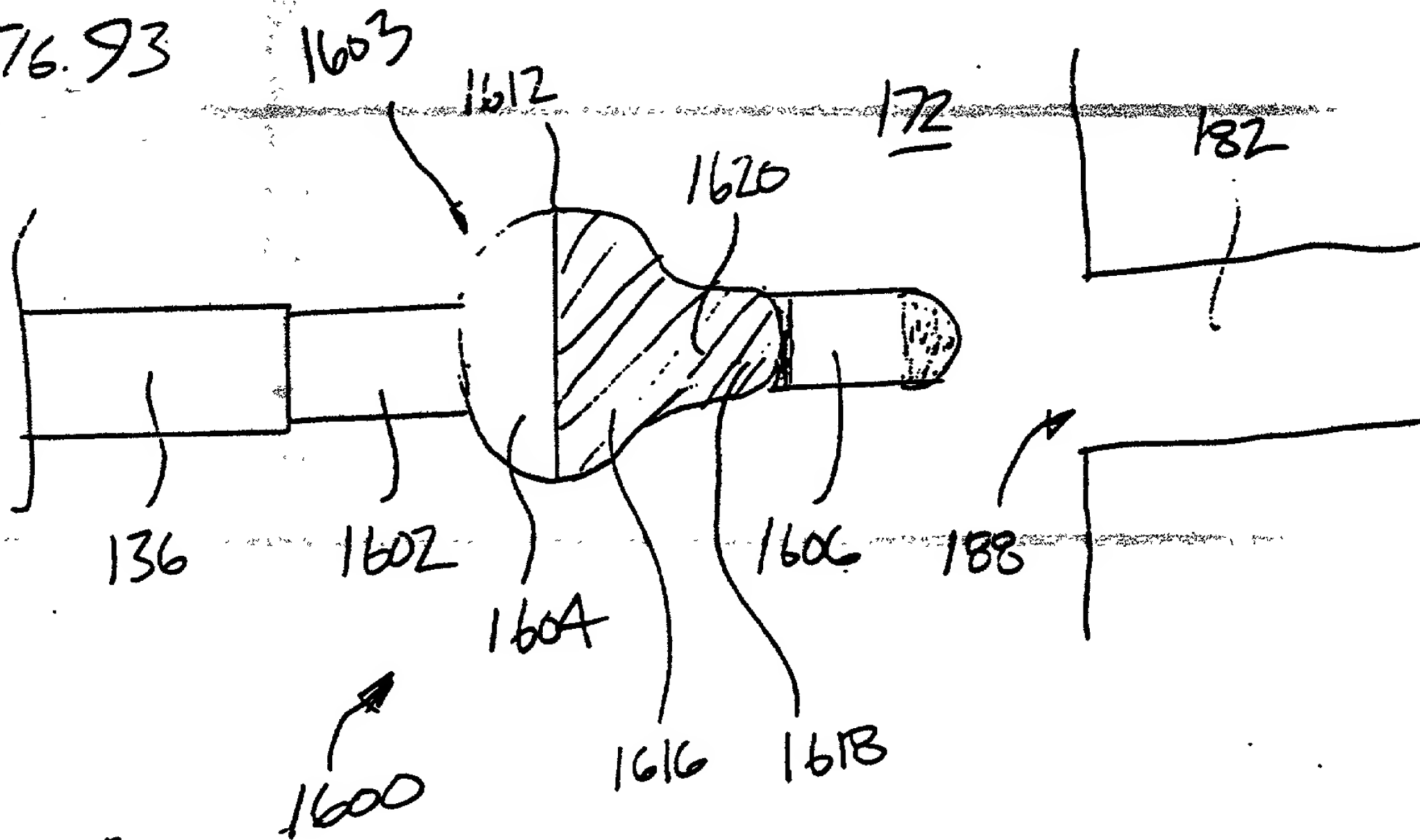
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FIG. 94

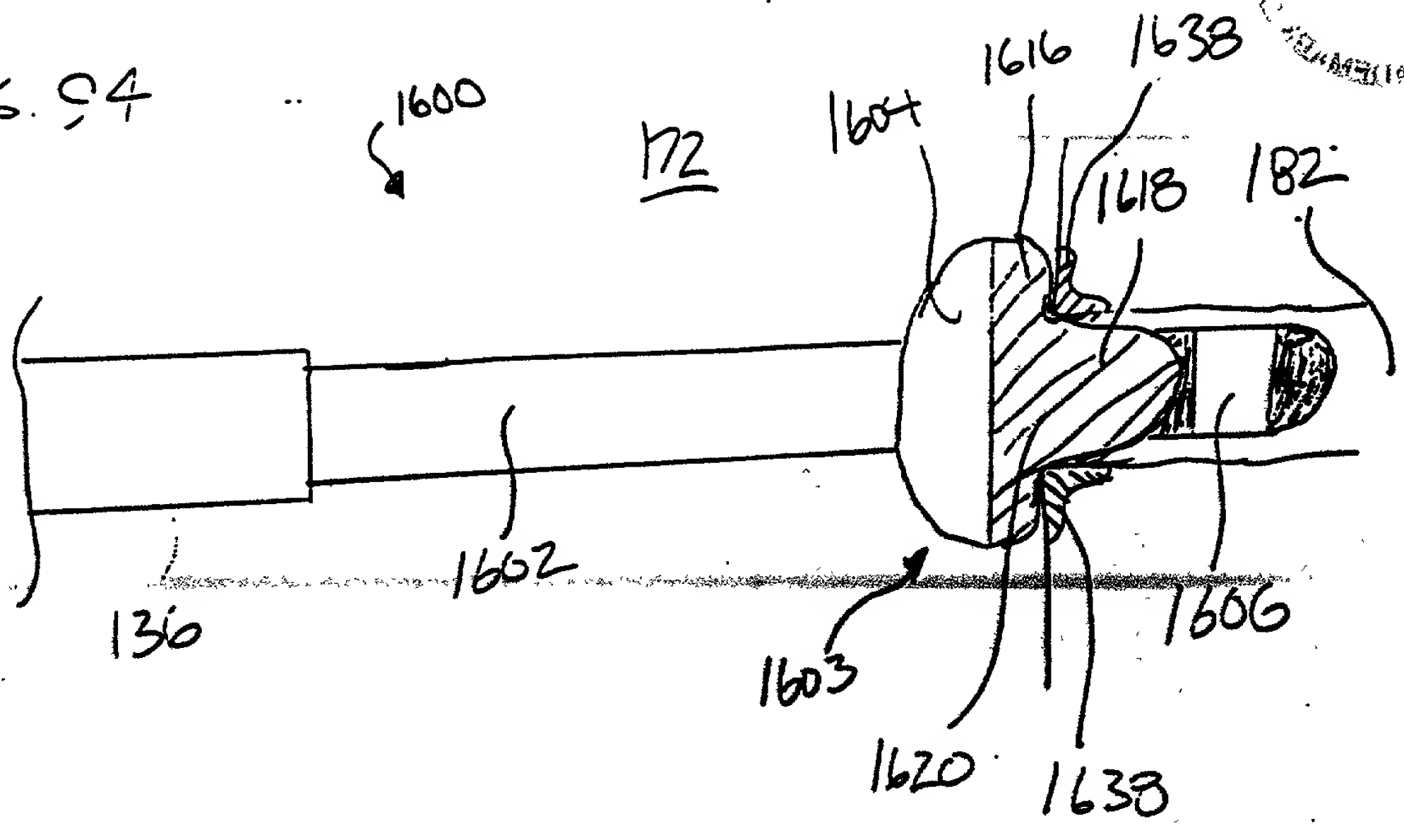
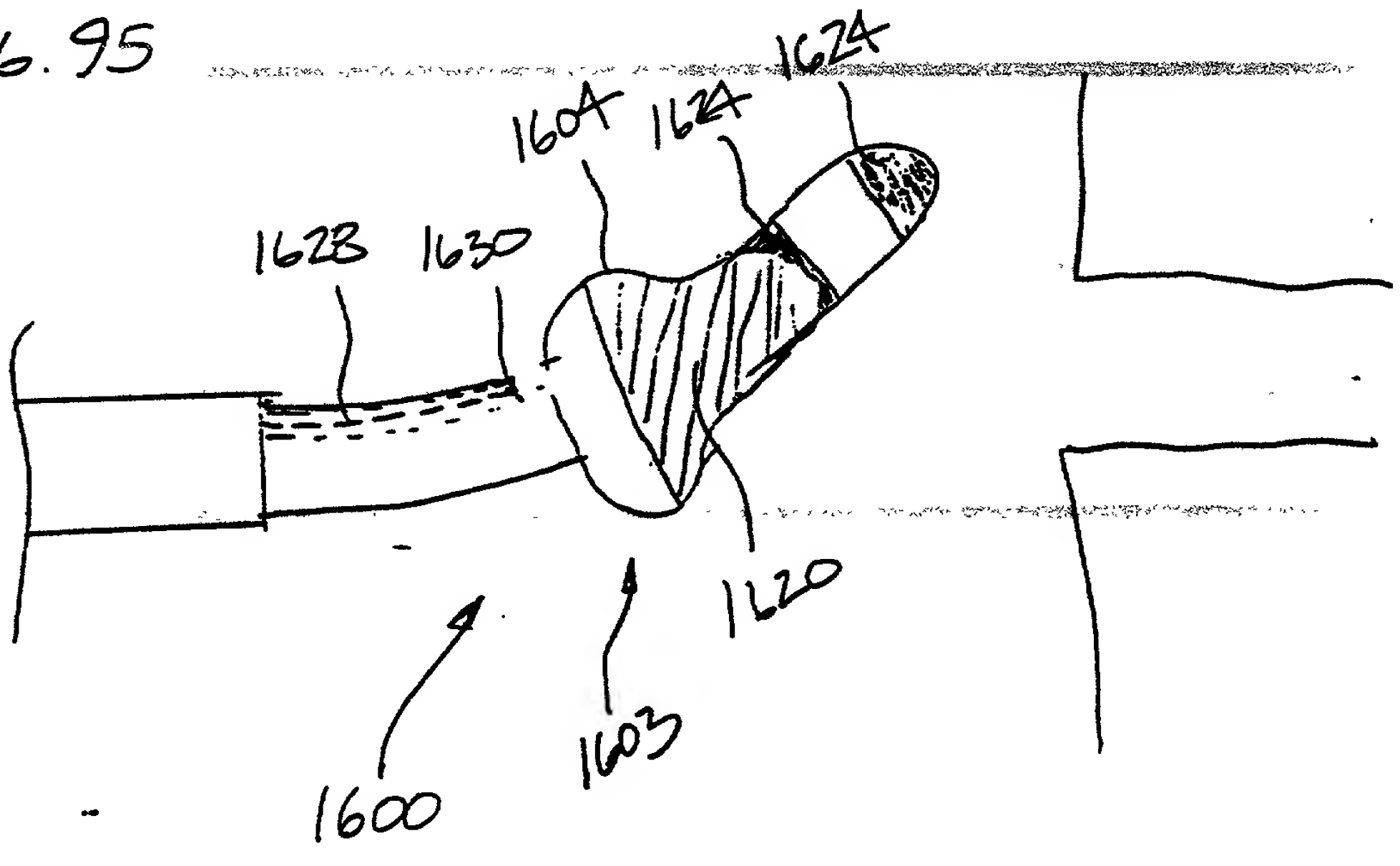
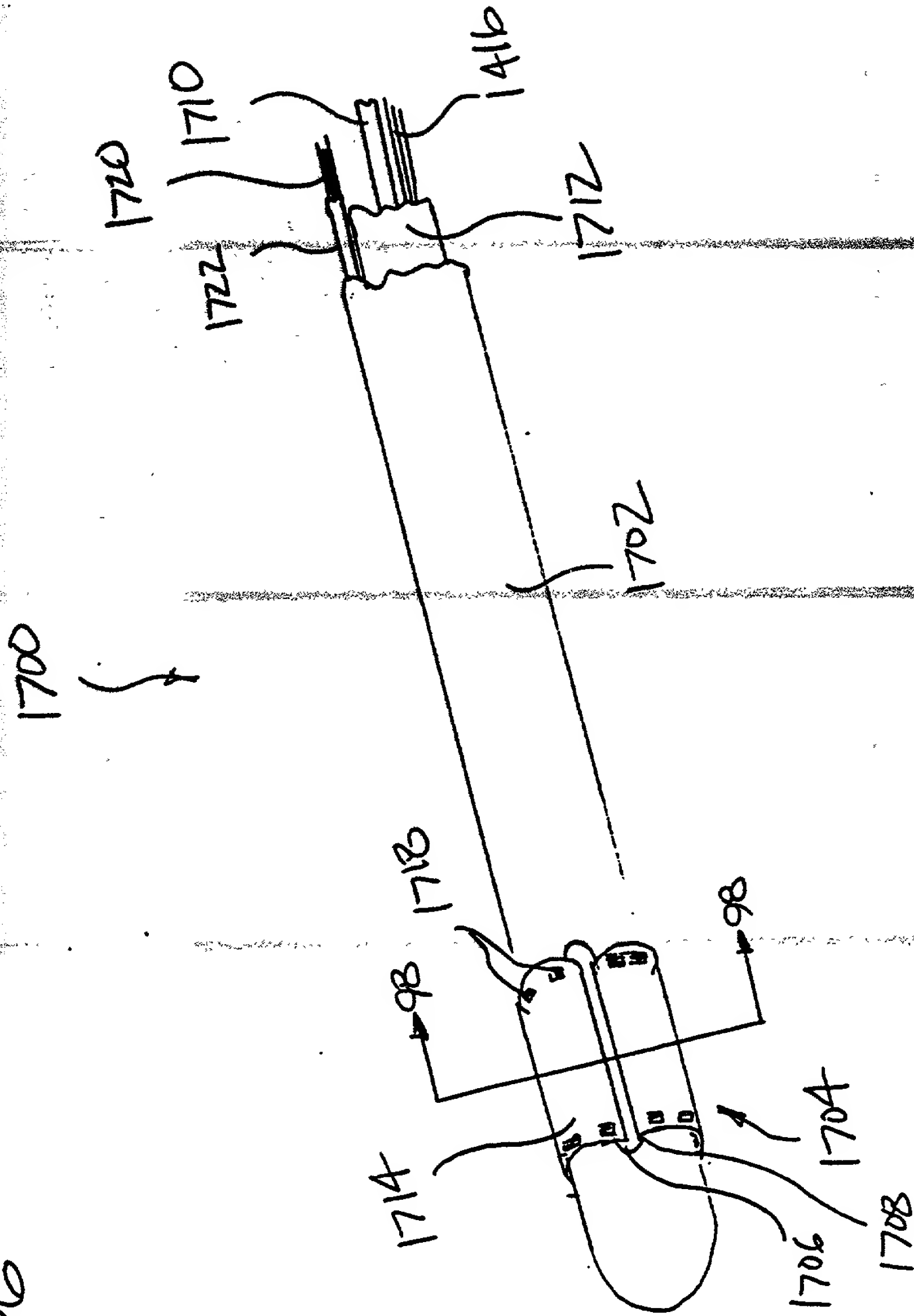


FIG. 95



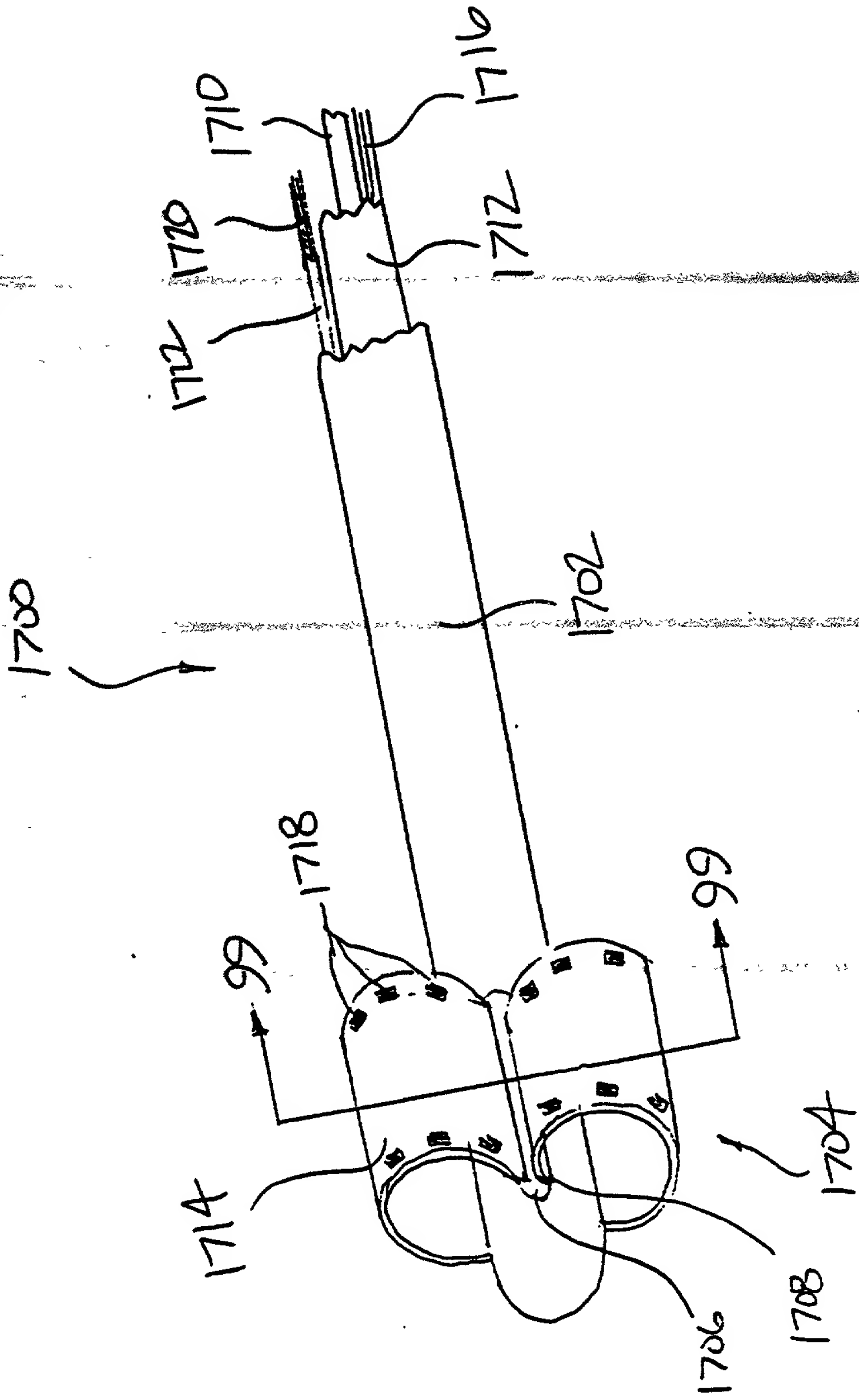
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FIG. 96



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FIG. 97



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FIG. 98

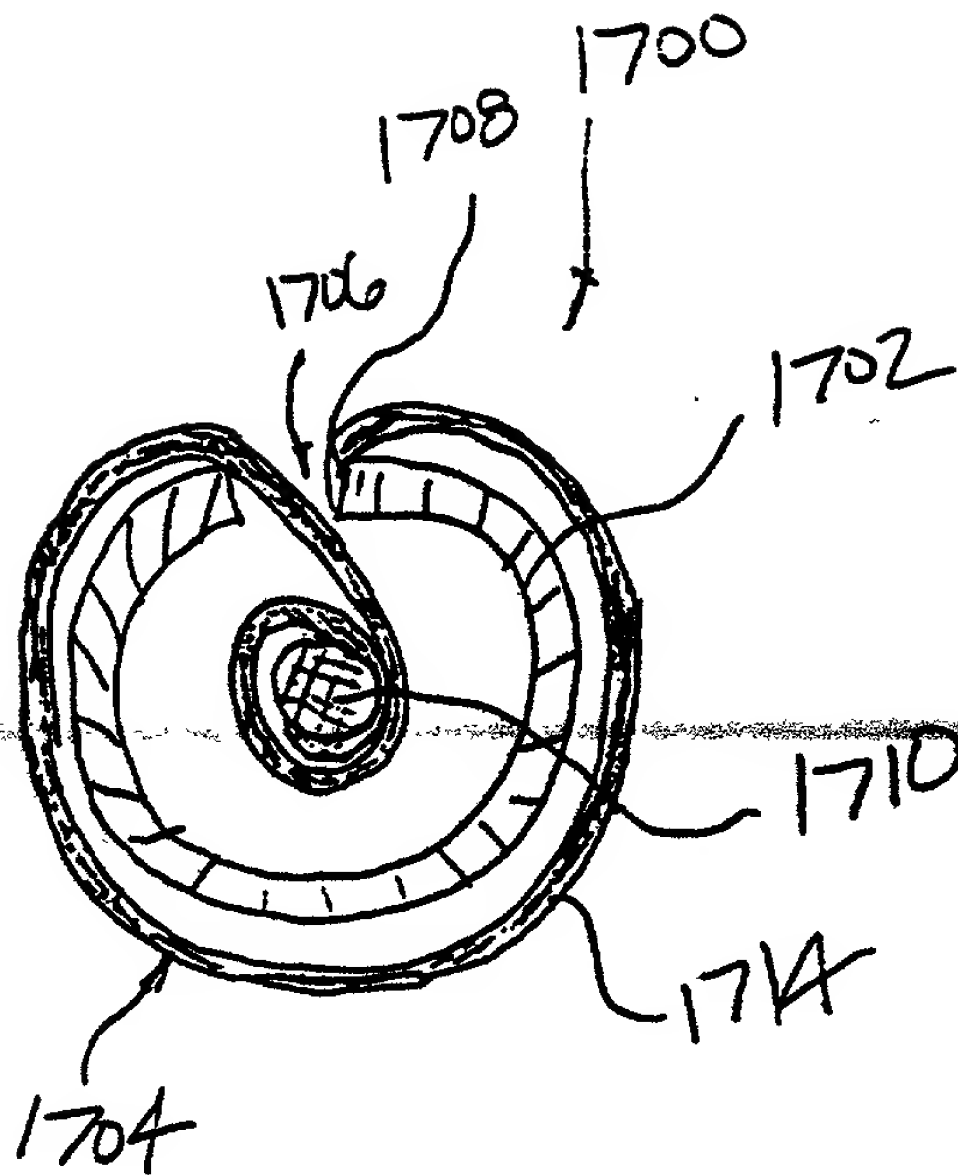
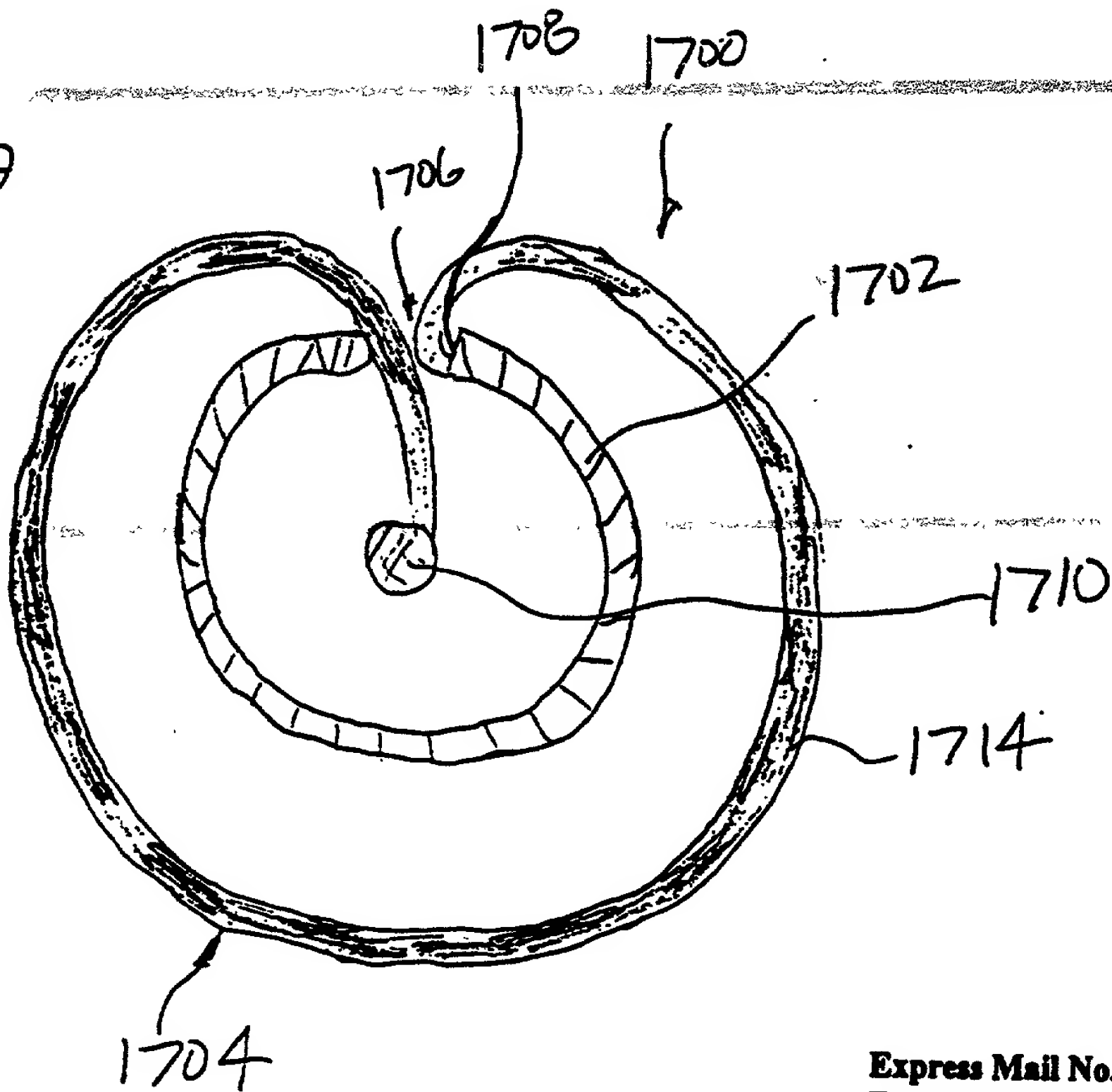


FIG. 99



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FIG. 100

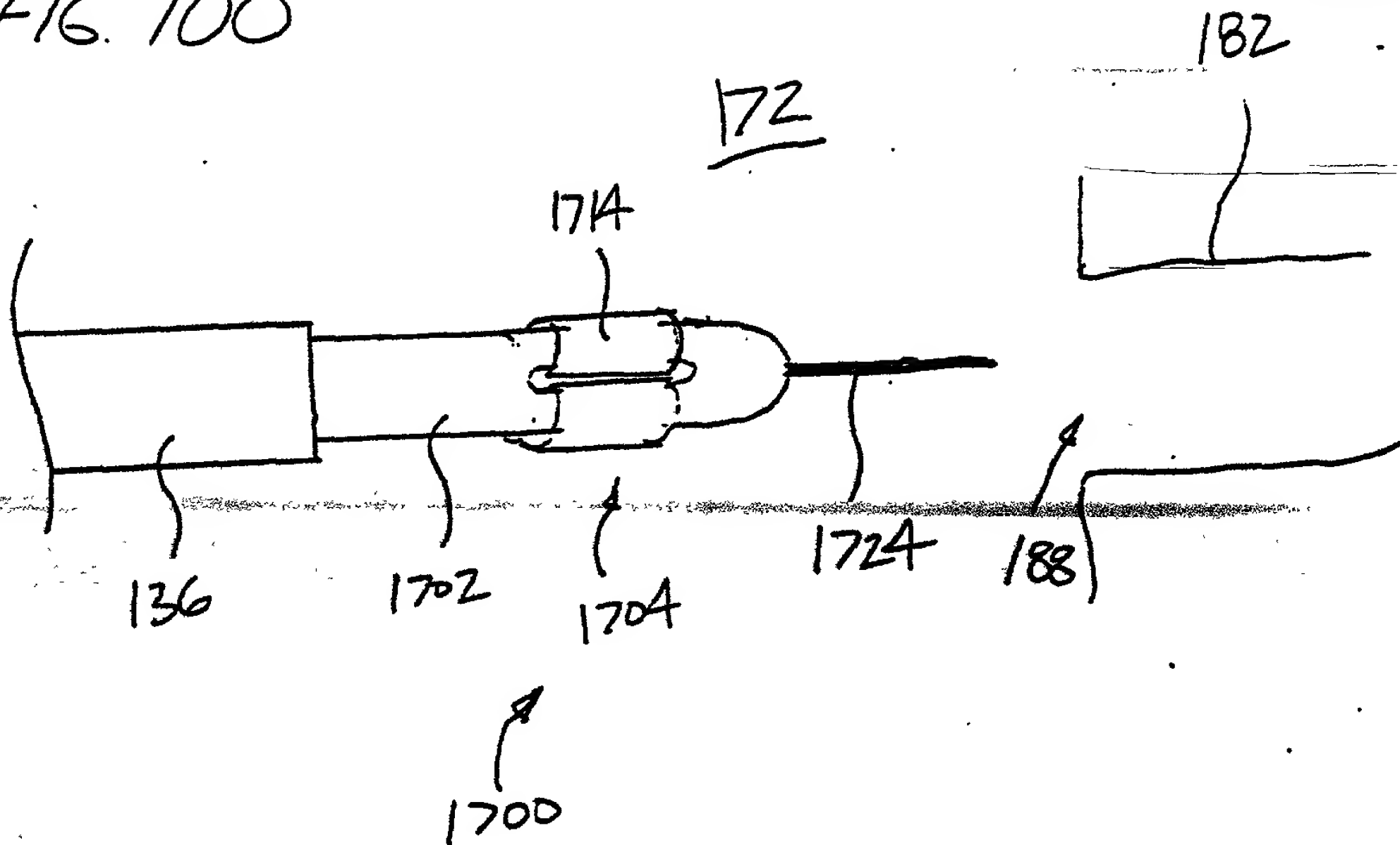
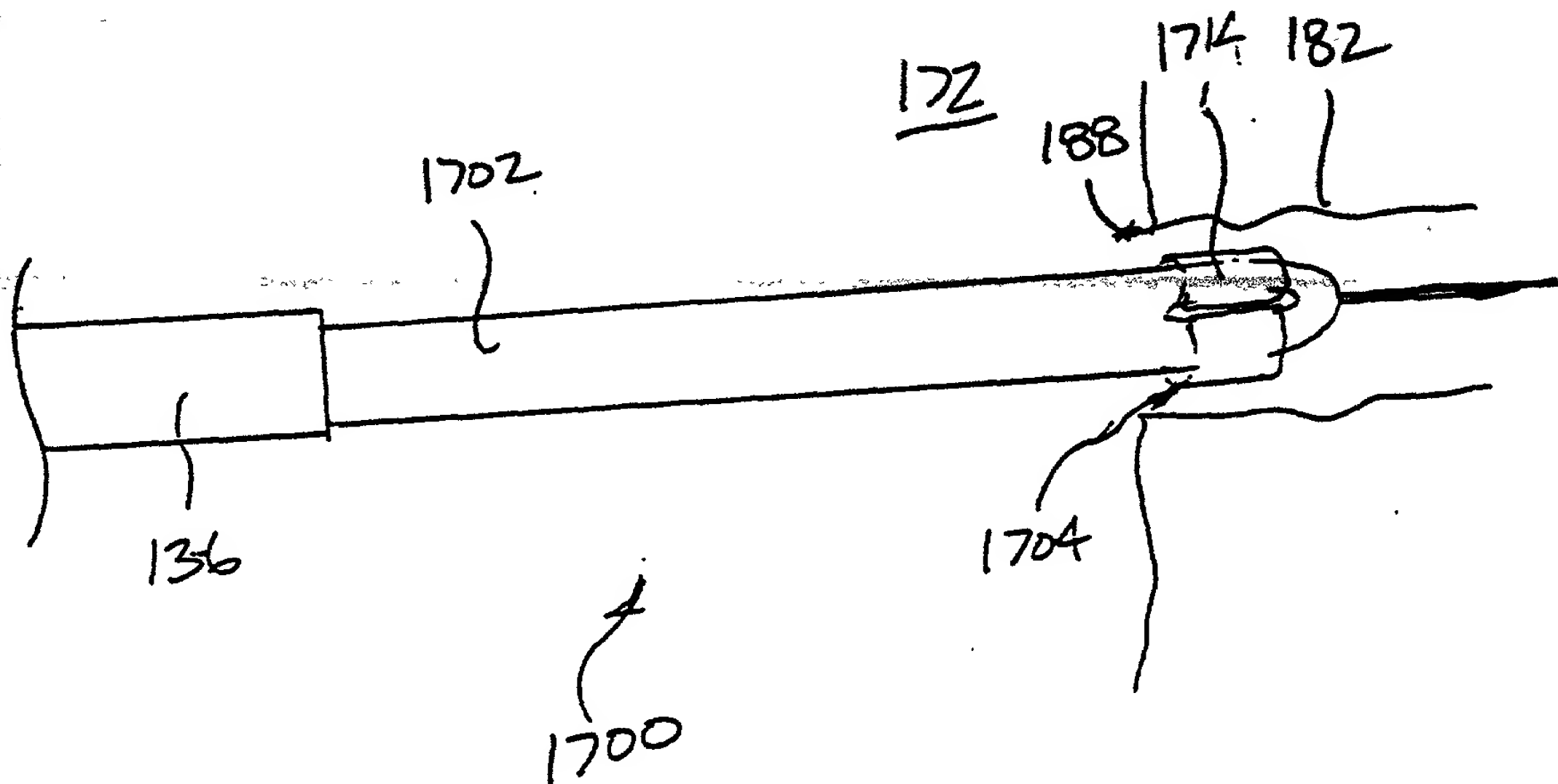


FIG. 101



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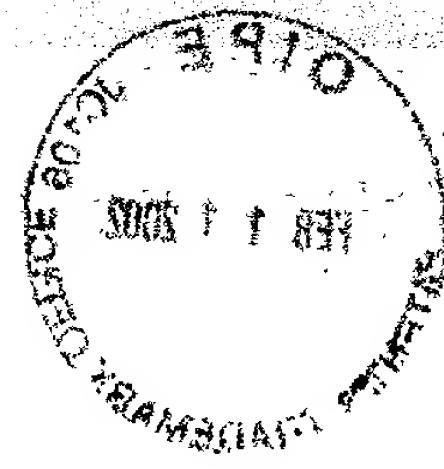
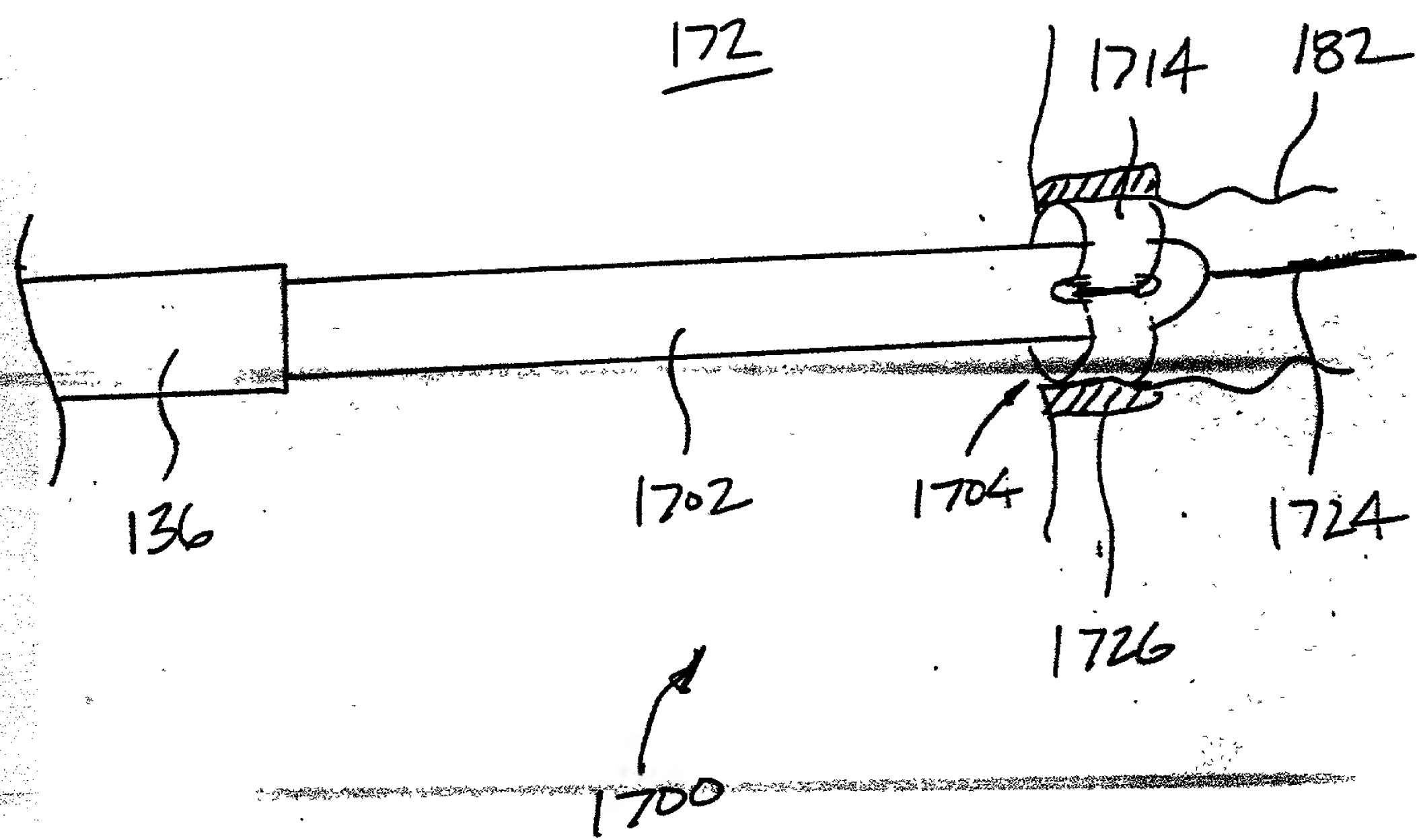
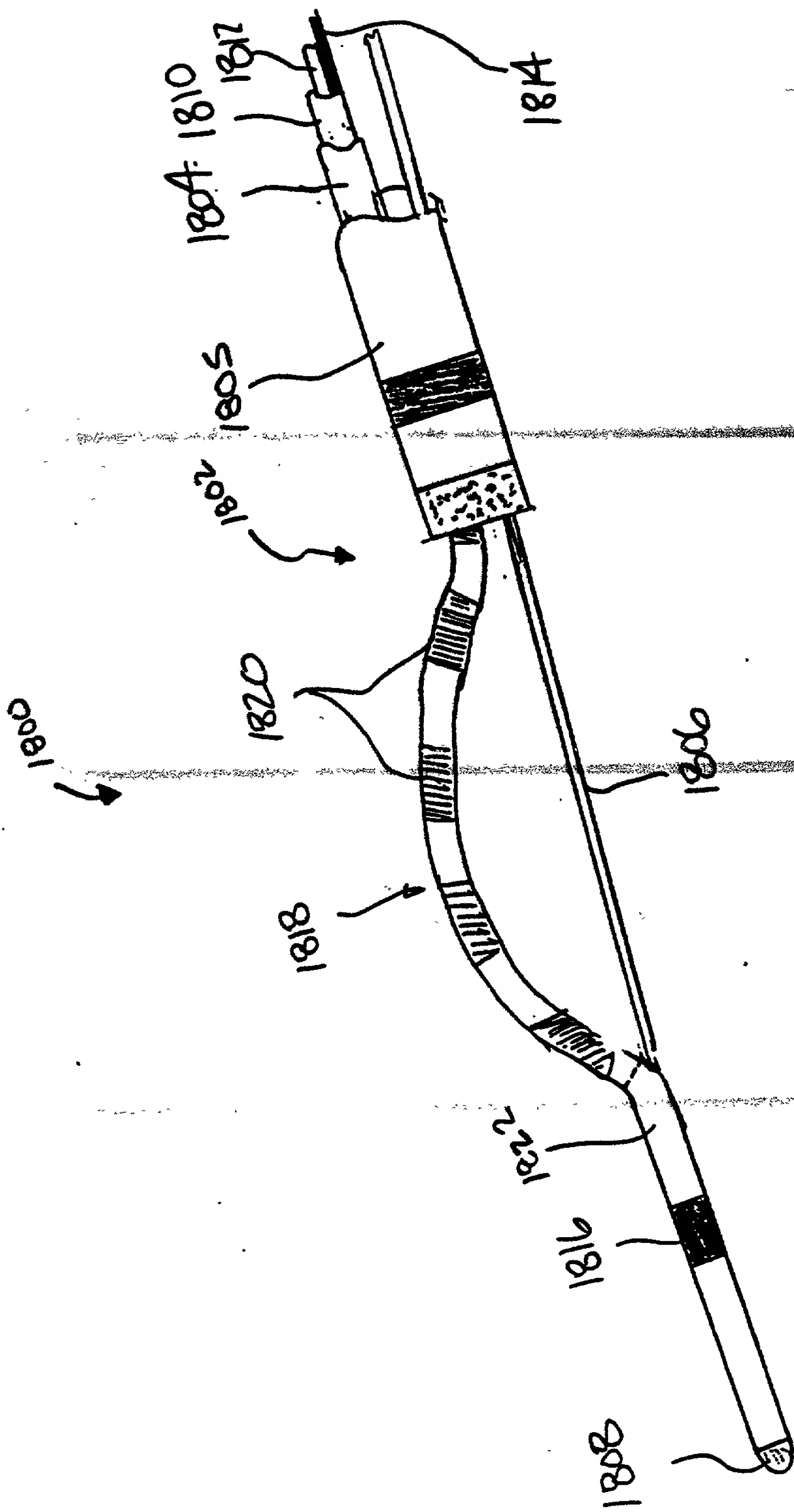


FIG. 102



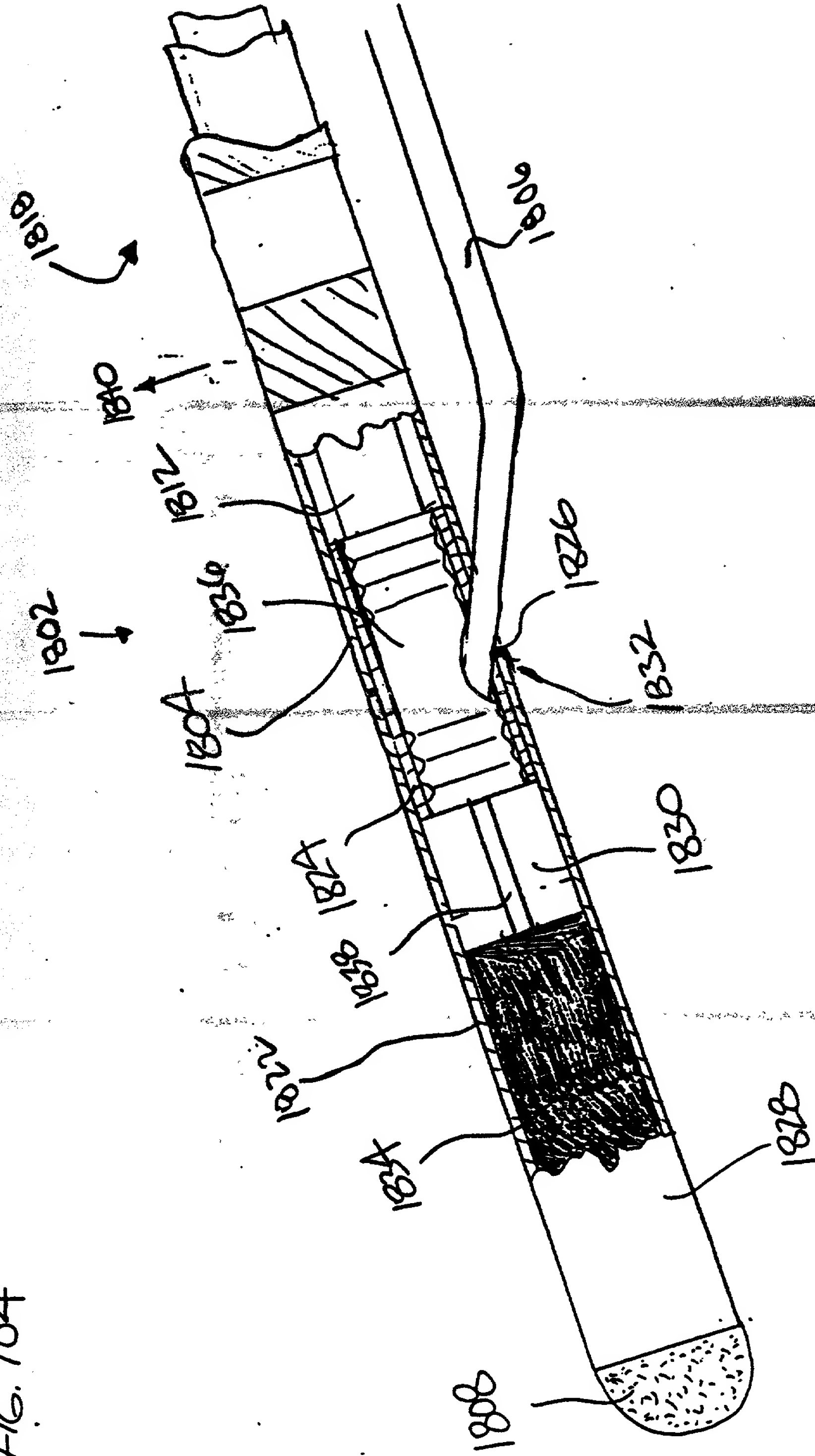
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FIG. 103



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FIG. 104



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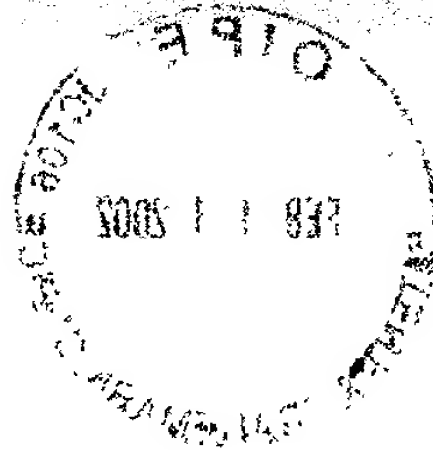


FIG. 106

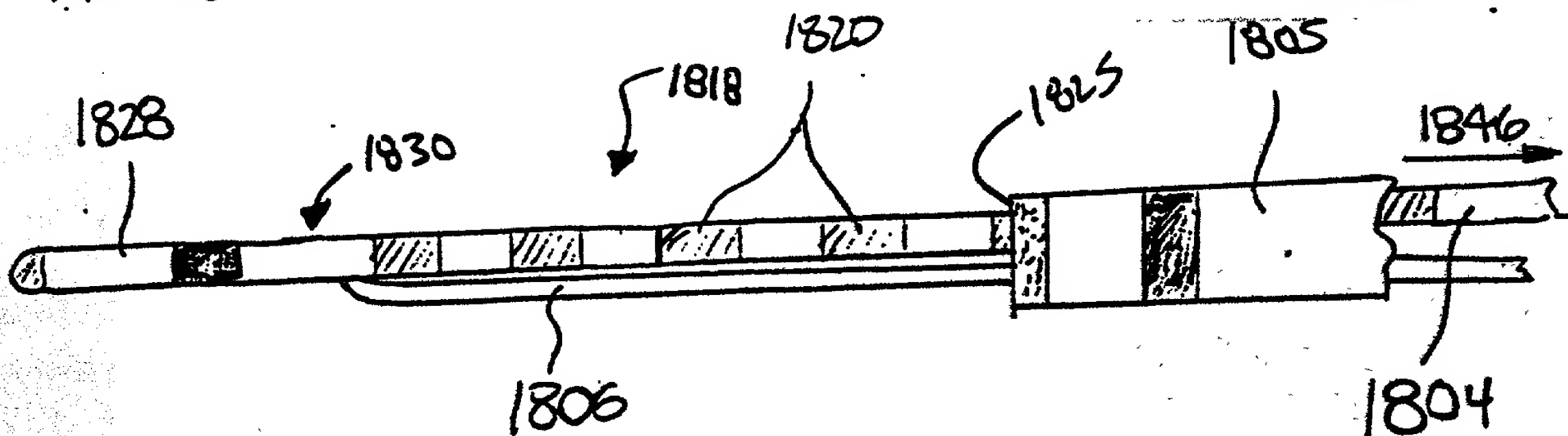


FIG. 105

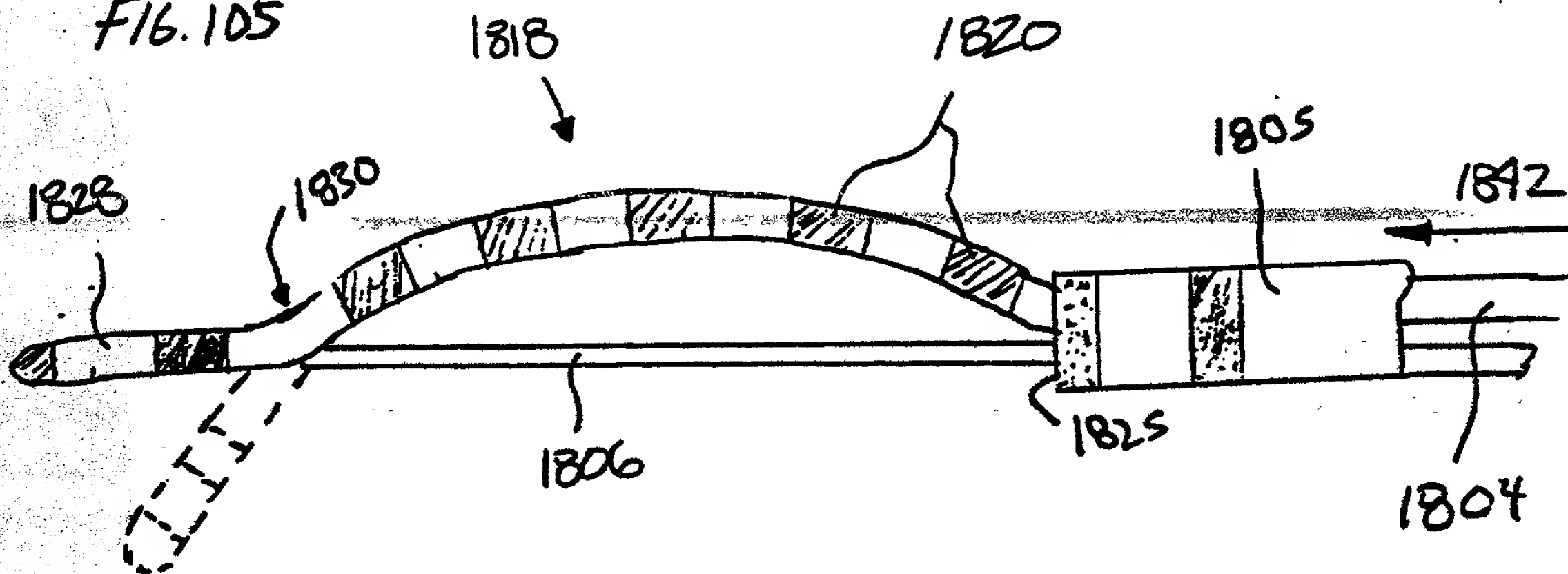
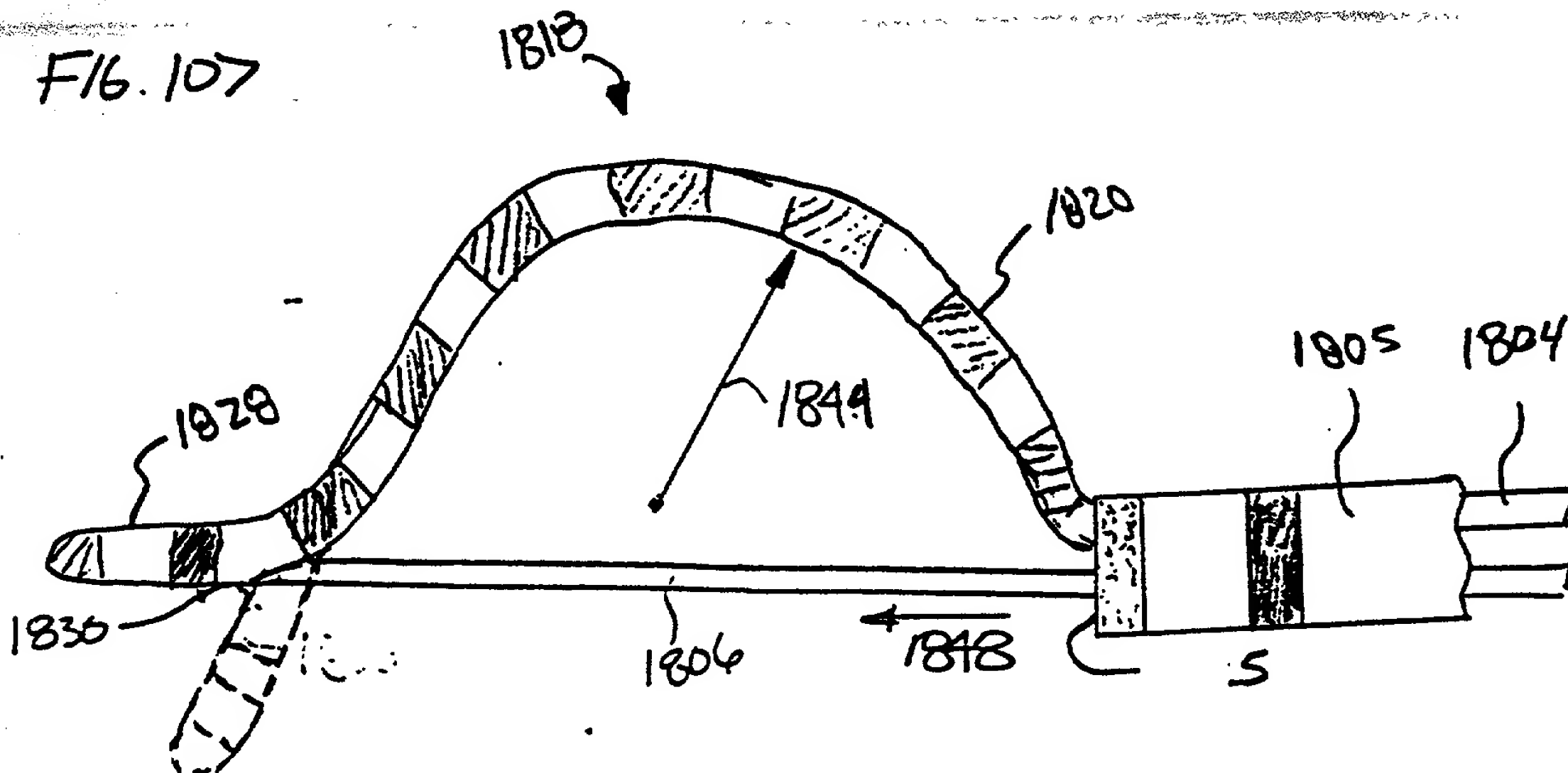


FIG. 107



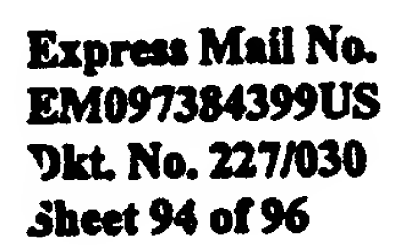
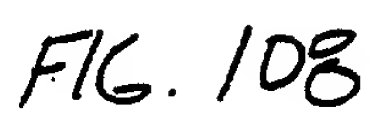


FIG. 104

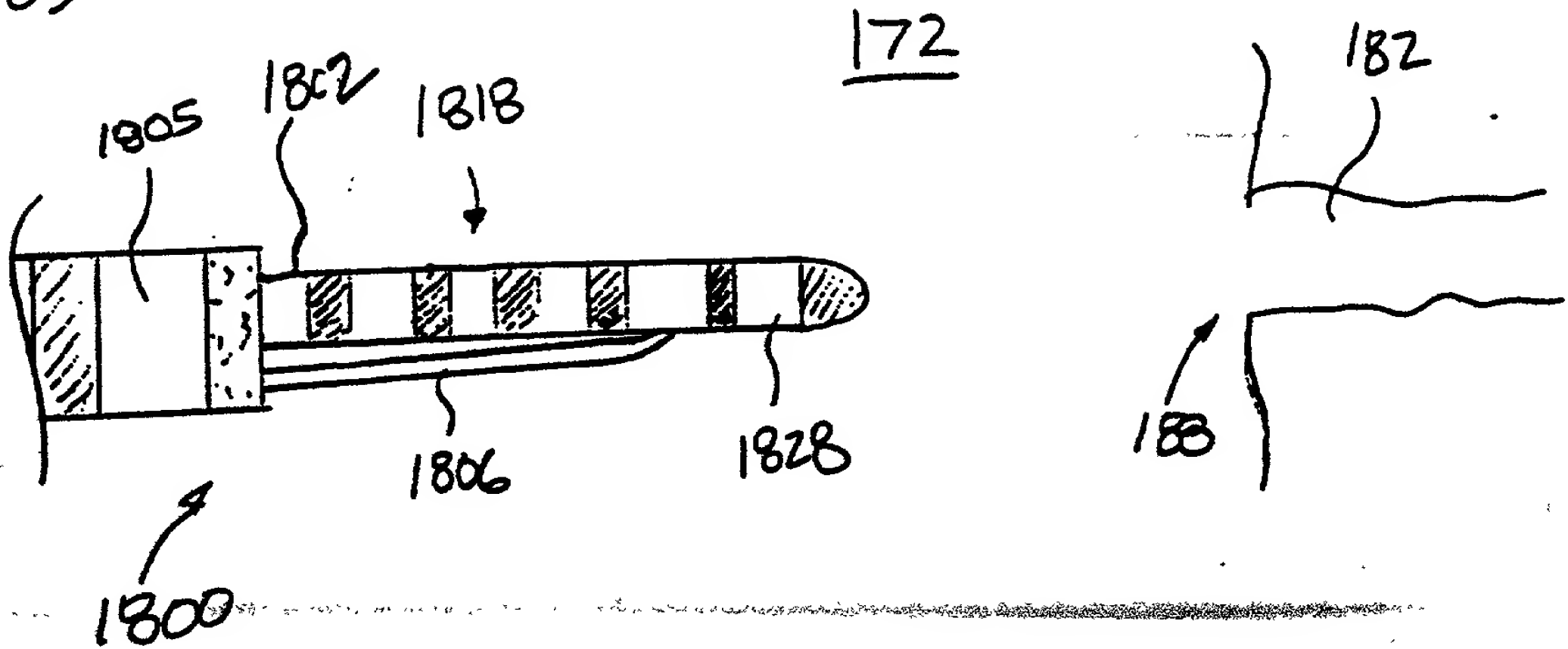


FIG. 110

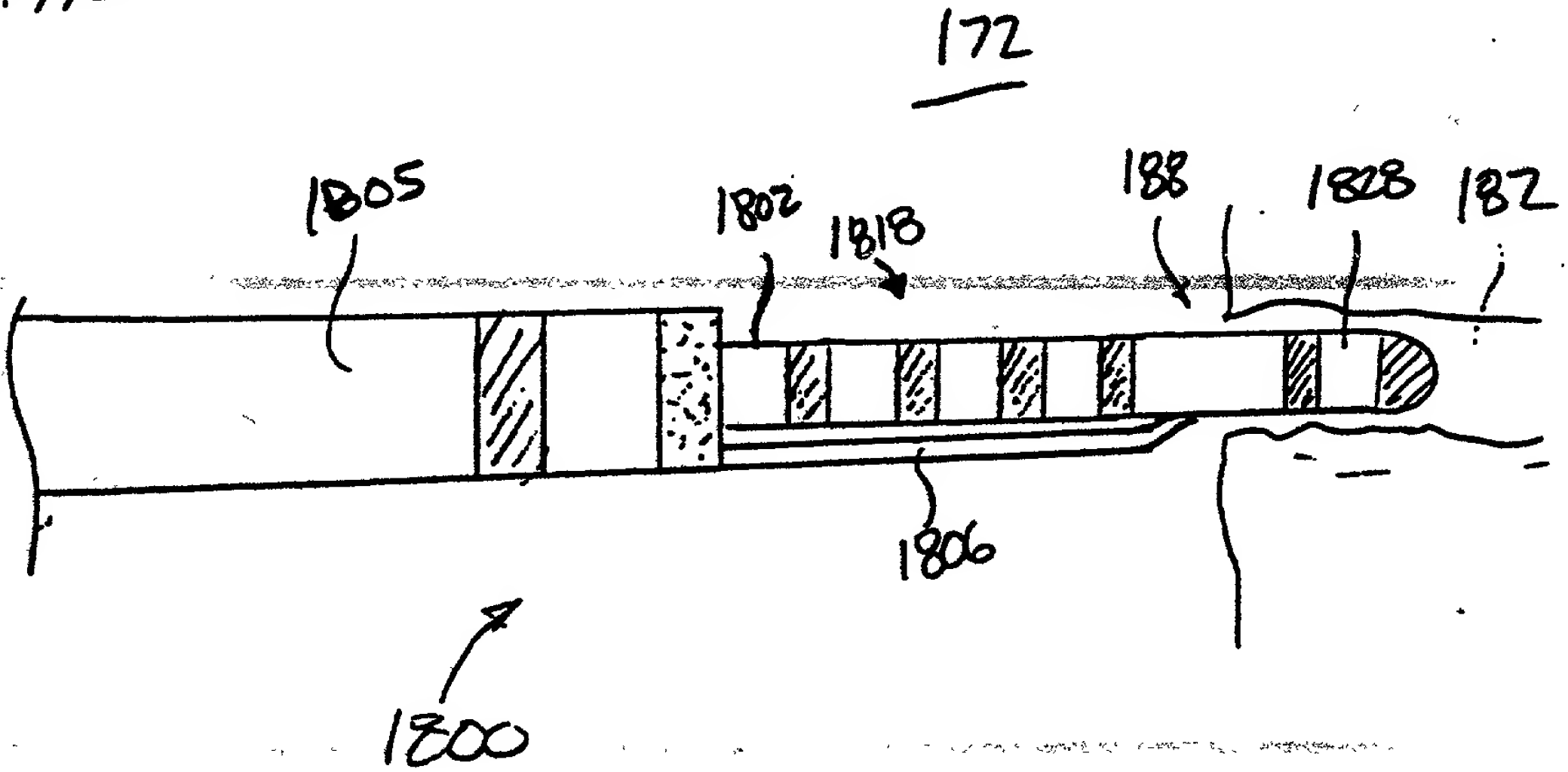
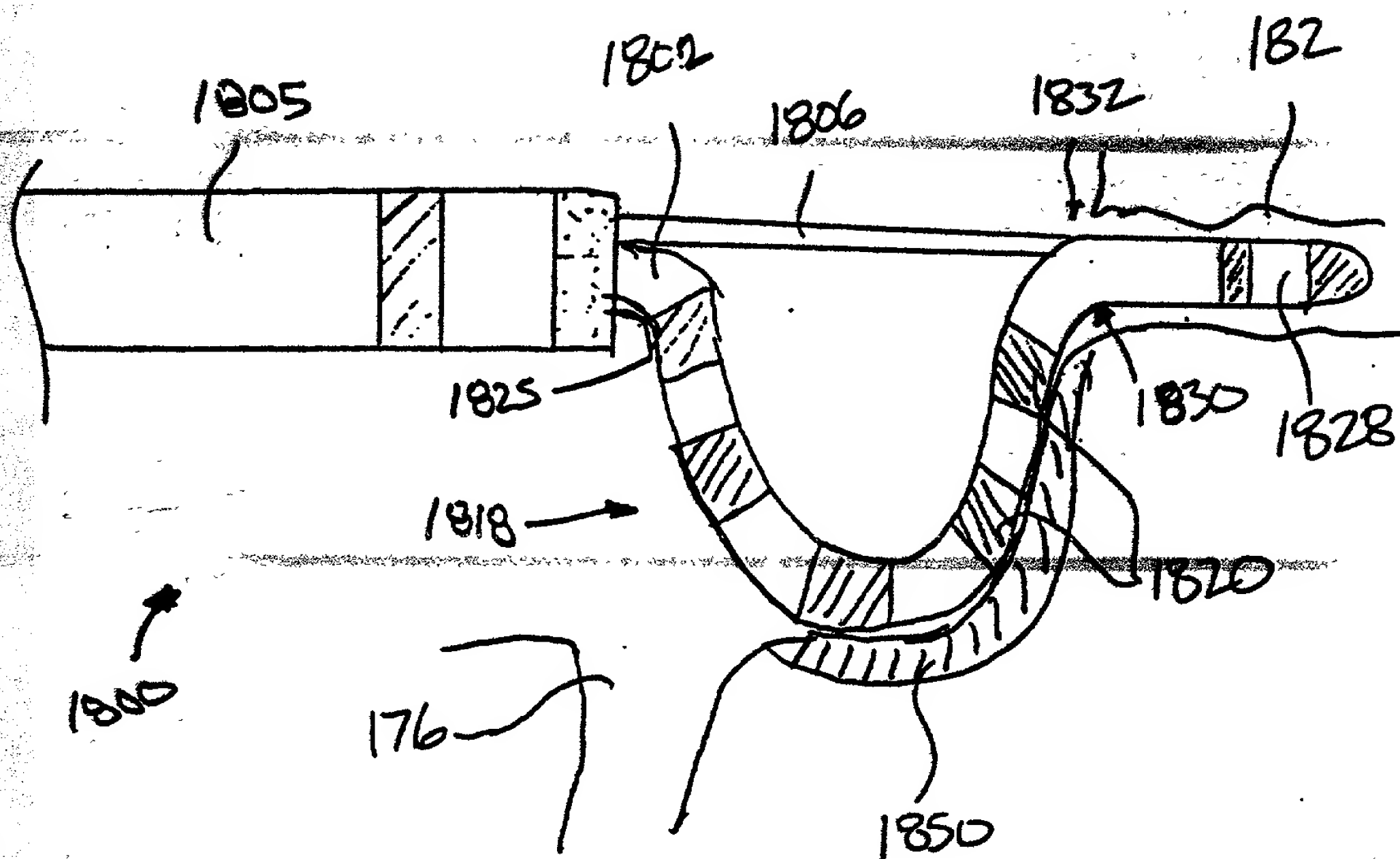


FIG. 111

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